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*Autumn
Catalog*
1913

GIANT DARWIN
TULIPS
Clara Butt

SEE PAGE
9

"Diamond Quality"

Bulbs
Roses
Plants

Fruit
Shade and
Ornamental
Trees



Bulb Planting Tables

Number of Bulbs Required for Planting Different Sized Beds of Tulips or Hyacinths.

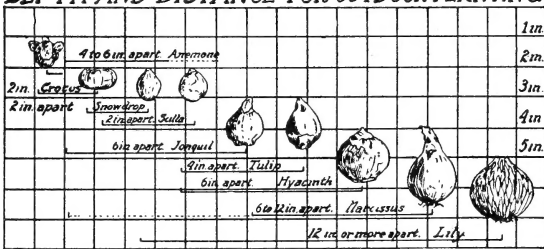
Everyone can afford a bed of flowering bulbs. They bloom so early, make such handsome and showy displays, and require so little care that their general use is increasing each year. The best effect in bulb beds is obtained by planting to solid colors, but if variety is wanted we would not advise you to select over two or three colors. Too many colors spoil the whole effect. A very satisfactory way is to plant a solid center with one or two of the outer rows of another color; a pleasing effect is obtained by dividing the bed into four sections, planting each in a separate color. As the circular bed is the most popular and satisfactory, we use it as a basis to figure on. If you want a square or oblong bed the cultural directions of the different bulbs will give you the distance bulbs should be planted apart.

In ordering bulbs for the mixed beds and for the number contained in the two outer rows of different sized beds, refer to table below.

| Diameter of Bed | Total No. of Bulbs Required | | No. of Bulbs Required for Two Outer Circles Only. | |
|-----------------|-----------------------------|-----------|---|-----------|
| | Tulips | Hyacinths | Tulips | Hyacinths |
| 3 feet..... | 64 | 36 | 50 | 31 |
| 4 feet..... | 113 | 50 | 68 | 45 |
| 5 feet..... | 177 | 80 | 87 | 57 |
| 6 feet..... | 254 | 120 | 104 | 69 |
| 7 feet..... | 346 | 160 | 122 | 82 |
| 8 feet..... | 452 | 210 | 140 | 95 |
| 9 feet..... | 573 | 270 | 160 | 110 |
| 10 feet..... | 707 | 330 | 180 | 120 |

NOTE—Plant the Tulips four inches apart in the rows and the rows four inches apart. Hyacinths six inches apart and the rows six inches apart. Narcissi same as Hyacinths. For Crocus, Snowdrops, etc., double the number of Tulips. See chart below.

DEPTH AND DISTANCE FOR OUTDOOR PLANTING



HYACINTH GLASSES

These are for Growing

HYACINTHS AND NARCISSUS

In water, see page 2

High or Low, Each, 20c; doz. \$2.00

The sooner Hyacinths and Daffodils are planted the better they will grow and force.

Suggestions for Tulip Beds

No. 1—Circular Bed of Vermillion Brilliant with edging of two rows of Chrysolora, yellow.....

No. 2—Round Bed in four sections, first quarter Cottage Maid, pink; second, Chrysolora, yellow; third, Artus, scarlet fourth, La Reine, white. This arrangement is effective with two colors, red and white being best.

No. 3—A Circular Bed of pleasing variety is made with Kaiserskroon scarlet edged gold, in center, Belle Alliance scarlet, next, then La Reine white, and on outside rows Chrysolora yellow.

No. 4—Bed in Three Sections or three rows of color; Crimson King, scarlet; Rose Grisdelin, pink; L'Immaculee, white

No. 5—Bed in Three Sections or Rows; Joost van Vondel, cherry red with white stripe; Rose Gris delin, pink; Yellow Prince, bright yellow.

No. 6—Double Tulips—Rubra Maxima, scarlet and La Candeur, white, give a fine showing, holding their form and lasting well.

No. 7—Single May Flowering—White Swan, Gesneriana Spathulata, rich crimson, and Bouton d'Or, pure deep yellow, can be used in pleasing combination. They are tall growers (18 inches) and the best of their colors.

Solid Beds of Murillo, early double light pink, or Rose Grisdelin, early single, delicate pink, are very attractive.

Plant a shallow rooting annual in your Tulip bed, and you will not have a bare spot when the bulbs are gone. It also keeps the weeds down. Forget-me-nots, Petunias, Pinks, Poppies, Verbenas, Candytuft, are a few of the best. Low growing perennials are also good, as they need not be disturbed. It is best not to lift Tulips each year. Leave them in the ground. They bloom better.

FLORISTS, GARDENERS and LARGE BUYERS of BULBS, should submit their Lists for Special Prices on the Number of Bulbs they Use. We can save You Money and Our "Diamond Quality" Bulbs will Give You Satisfaction



AUTUMN CATALOG

Bulbs, Roses, Trees and Plants

FALL 1913

SPRING 1914



OUR OFFERINGS FOR THE FALL OF 1913 AND SPRING OF 1914, as listed in this catalog, are presented with the utmost confidence that they will give you splendid satisfaction. They have been chosen with critical care and, with the exception of some foreign novelties, have proven their merit in trial plantings.

Each year has added to our facilities for local production, and where possible stocks are grown under our direct supervision.

We are direct importers of Holland, French and Japanese bulbs and Irish, English and European roses, all of which are grown to our order by the most famous and reliable producers. These trade connections and the magnitude of our business enable us to give our customers special advantages in quality, prices and variety of assortment.

Our experience may prove helpful. We know what is best for either temporary or permanent effects, the most satisfactory and profitable varieties to grow, the best methods of production and can save you much unnecessary expense. This special service is free to you, and your inquiries and orders will have our immediate and careful attention.

PORTLAND SEED COMPANY.

IMPORTANT---PLEASE READ CAREFULLY

When To Order.—We issue this Catalogue in September, but customers can order at any time and goods will go forward in season, as follows:

Flowering Bulbs.—We are direct importers from Holland, France, Bermuda and Japan; stocks begin to arrive in August, most deliveries being complete by December 1st, except such bulbs as Cannas, Dahlias, Gladioli, Tuberous Begonias, etc., which are not ready until after February 1st.

Orders should be placed early in the fall as late plantings do not give best results, but stock can be supplied up to March 1st. If you are not ready to plant bulbs when received, put them away in a cool, dry place and they will keep for weeks.

See Cultural Directions under the different headings for best time to plant.

Roses—We are headquarters for Roses and guarantee all varieties true to name. In our list will be found the recent introductions of the world's great rose specialists, if there is a novelty of real merit we can supply it. Our large two-year old field grown roses are ready for delivery from October until June, one-year old mailing size from January to August. The earlier you set them out the better they will grow.

Palms, House Plants, Etc.—Our importation of these arrive from December to May. During these months we have large and complete stocks, but we can generally furnish nice plants during the whole year. Palms and plants should be potted as soon as possible after arrival and watered well for a day or two so as to settle the earth around all the little fibrous roots.

Fruit, Shade and Ornamental Trees and Shrubs.—We ship these from October until June and recommend fall and early spring planting. Late plantings are successful if you water freely. If you do not want to plant on arrival, dig a trench and "heel" your trees in. If the ground is frozen, put them in a cellar and keep the roots damp.


Complaints or Praises.—If your goods and treatment please you, tell others; if anything is wrong, tell us quickly, so that we can make it right. Our best efforts will be given to filling all orders in a satisfactory manner.

Order early—it helps us to please you.

We never Substitute without permission from our customer. But as many items are sold out as the season advances, when requested, we will substitute varieties of equal merit maturing about the same season. **But always labeled true to name.**

MAIL and EXPRESS CHARGES on BULBS

Only Flowering Bulbs are Prepaid at Catalog Prices
All other items F. O. B. Nursery unless otherwise stated

 **WE CANNOT SEND GOODS C. O. D.—CASH MUST ACCOMPANY ALL ORDERS.**

SEND MONEY by postoffice or express money order, bank draft or registered letter.

DO NOT SEND PERSONAL CHECKS as your order may be delayed by their collection

GUARANTEE—While we exercise the greatest care to have all our stocks true to name, and hold ourselves in readiness on proper proof to replace all trees, etc., that may prove untrue to label free of charge, or refund the amount paid, it is mutually understood and agreed to between the purchaser and ourselves, that our guarantee shall in no case make us liable for any sum greater than that originally received for said trees, etc., that may fail or prove untrue. PORTLAND SEED CO.

HYACINTHS



FOR centuries Hyacinths have been favorites with flowerlovers the world over, the wonderful beauty of their dainty waxlike flowers, their rare fragrance and easy culture endear them to every grower.

The newer sorts have massive spikes of bloom of the most delicate and beautiful shades, from pure white through blush to pink, rose, and deepest red, from dainty porcelain to shades of blue and blueblack, and from cream to yellow apricot and orange.

Grown in the open ground or in pots and glasses indoors, their magnificent spikes of bloom are a never ending delight and the admiration of all who see them.

Hyacinths are of the easiest culture—blooming through a long season and can be brought on from early winter until late spring.

Named varieties, marked “XX” and “X,” produce the finest trusses of blooms, and should always be selected for specimens in pots or glasses. The cheaper grades are usually used for bedding, garden borders, or for forcing for winter cut flowers.

Culture of Hyacinths

OUTDOOR CULTURE.—The preferable season is October, November and December, but bulbs will give good results if planted somewhat later. Plant so that the tops of the bulbs will be from two to three inches below the surface and five to eight inches apart. In preparing the bed, see that it is well drained, so that the bulbs will not rot during our long wet winters. After flowering, if the beds are wanted for late spring planting take up the bulbs, tops and roots, and “heel in” in some corner of the garden until the bulbs mature, after which they should be spread out in an airy room to dry, and kept in a cool, dark place until time for replanting the following autumn.

CULTURE IN GLASSES.—When it is desired to grow Hyacinths or Narcissus in water, they should be placed so that the base of the bulb merely touches the water. The glass should then be set in a cool, dark place, until filled with roots, when they may be brought into the light. Fill the glasses with fresh water every few days. Give as much fresh air as possible without letting the plants stand in a draught, and as nearly as possible at a temperature of 60 degrees until the spikes are developed.

INDOOR CULTURE IN POTS.—Bulbs for winter blooming can be planted from September until December—the earlier the better. Plant one bulb to a four-inch, or three to a six-inch pot. Then place in a cool, dark cellar, watering well. The whole success of pot culture depends on getting the roots well established in the pots, at a low temperature of, say, 40 to 50 degrees, before you begin to force the tops. From four to six weeks is not too long to leave them in a dark, cool place. After this the bloom is easily developed by giving light, heat and water, and one can have a supply of flowers from Christmas until Easter by regulating the time of bringing them to light.

French Roman Hyacinths--White, Pink, Blue

A charming class of Hyacinths, extensively grown by florists for Winter flowering. Each produce several very graceful flower spikes. The delicious perfume, earliness and profusion of bloom have made Roman Hyacinths exceedingly popular. They are so easily grown and so early that if potted early they can be brought into flower in November and December, and a succession can be had in bloom throughout the Winter and early Spring.

The best effect is produced by planting four to twelve bulbs in the shallow bulb pots. They may also be planted outdoors.

For cutting purposes the Roman Hyacinth is the finest bulb grown and is most valuable for early planting in the house. Be sure to state whether you want White, Pink or Blue. White “Romans” are the best bloomers.

Prices, each, 7c; dozen, 75c; 100, \$5.00.

ITALIAN WHITE HYACINTHS.—For early forcing in pots or boxes. The Italian “Redskin” white Hyacinth is a little later than the French Roman but has a larger spike of bloom. The color is white with a very light blush suffusion. Plant same as Roman Hyacinths.

First size bulbs, each, 5c; dozen, 50c; 100, \$4.00



NARCISSUS

Paper white Grandiflora--should be planted at the same time as the Roman Hyacinths. They are beautiful, deliciously fragrant and will produce the earliest winter flowers indoors. See page 11.

HYACINTHS--"Diamond Quality" Top Root Bulbs

Our "XX" Grade.—For those of our customers who want to produce Hyacinths of the grandest size and finest quality, we recommend our "XX" grade. These are extra choice, large, round, solid bulbs, selected especially for our best trade by our Holland growers. They will produce those handsome, mammoth flowers so highly prized, and are excellent for forcing and pot culture.

Our "X" Grade.—This grade is usually bought, and we sell more of this price and size bulb than any other. Our "X" grade is equal, if not superior, to the "First" or "Select Grade" offered by many seed stores.

Prices Postpaid. Special prices by the hundred. State varieties preferred.

XX Grade......Each, \$15c; doz.....\$1.50

X Grade......12 ½c; doz.....\$1.25

Single Pure White

Arentine Arendse—Grand pure waxy white flower, with large spike and bells. A rare beauty.

British Queen.—Pure white, very fine for early forcing, large compact spikes, very desirable.

Baroness Van Thuill.—Large, pure white, handsome, compact spikes, very early, grows well in glasses.

La Grandesse.—Extra fine snow white, large spikes of fine formed bells, a grand exhibition variety, having no equal among the single whites.

L'Innocence.—One of the earliest; pure white; fine for forcing.

Madam van der Hoop.—Pure white. We believe this is the best white for general planting; flowers large and handsome; erect habit; very popular.

Single Blush White

Grand Blanche—A fine blush white, flowers large and of excellent quality.

Grandeur a Merveille.—Lovely blush white, the best of its color; very large spikes. Very popular.

Mr. Plimsoll—Extra fine, blush white, large flower and bells.

Single Red and Pink.

Baron Van Thuill—Fine pink, large spikes, early; forces easily.

Cavaignac—Large Salmon Pink, forces well, a good keeper, extra fine for exhibition.

Charles Dickens—This is decidedly one of the finest pinks; spikes large; easy to force.

General Pelissier—Brilliant carmine, compact spike; an early forcer. One of the best.

Gertrude—Fine rosy pink; excellent sort for forcing or bedding. Flowers large.

Gigantea—Fine blush pink; giant, compact spike; a popular sort among gardeners.

King of Belgium—Fine deep scarlet; compact truss. Excellent bedder.

Lady Derby—(New)—Lovely light rose pink, large spike.

Moreno—Extra fine pink, very large spikes and bells; forces easily. Highly recommended.

Norma—Pale, waxy pink, handsome, large and good forcer. Extensively planted.



Single Hyacinth

Single Yellow

Ball of Gold—Large compact spike, golden yellow, best of its color.

Ida—Best pure yellow, for early forcing, fine large spike.

King of Yellows—Fine, bright golden yellow.

low, grand spikes, a superior bedding variety.
MacMahon—Rich yellow, large spike. Excellent flower, forces early.

Yellow Hammer—Golden yellow, extra fine flower, forces easily; exhibition variety.

SELECT SINGLE NAMED HYACINTHS—Continued**Single Blue**

Grand Lilas—Extra fine porcelain blue, grand large spikes and bells; forces easily. The finest light blue.

Johan—Fine light blue, extra large, splendid bedder.

King of Blues—Deep glossy blue, large compact spikes. The finest dark blue Hyacinth in cultivation.

Enchantress—Clear pale blue; one of the finest exhibition varieties.

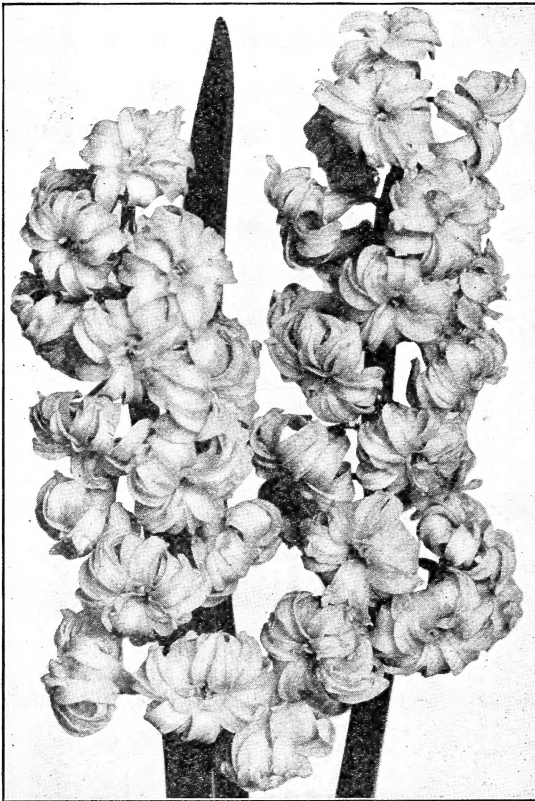
Lord Derby—Pearl blue, very large handsome spike, good for glass, very desirable sort.

Grand Maitre—Deep porcelain blue; spikes large and handsome.

Queen of the Blues—A beautiful light blue with silvery sheen; a large, handsome flower, a favorite with florists.

Select Double Named Hyacinths

While the flowers of Double Hyacinths are large and beautiful, the spikes are not generally so full of bells as those of the single sorts.



Double Hyacinth

All First Size, Large, Solid, Select Bulbs
Price, each 15c; dozen, \$1.50

Double Red

Bouquet Royal—Salmon pink, red center; very choice.

Noble par merite—Deep red, fine large spike; early; fine forcer.

Lohengrin—Fine bright pink.

Lord Wellington—Large spike and flower; best of the double pinks.

Double Blue

Bloksberg—Light blue, marbled.

Charles Dickens—Dark porcelain blue, extra fine spike and bells.

Garrick—Deep azure blue, very large spike.

Van Speyk—Beautiful shade of lilac, large compact truss.

Double White

Bouquet Royal—Pure white, large spike, very fine.

La Tour d'Auvergne—Earliest pure white; a grand flower.

Isabella—Fine blush white; grand spike; excellent.

La Grandesse—Magnificent pure white sport of the single La Grandesse.

Double Yellow

Goethe—Light yellow, large spike, one of the best double yellow Hyacinths.

William III—Rich orange yellow, good bloomer, one of the very best yellows.

Sun Flower—Fine pure yellow, best of its color

"DIAMOND
QUALITY"

Bedding Hyacinths--ASSORTED COLORS

A superior grade of large size, selected bulbs, generally used for planting outdoors in making up beds, borders or large displays, but are equally good for forcing. They are low in price but of superior quality and will all produce fine spikes of bloom. These Hyacinths are not to be classed with the cheap grade of bulbs usually sold as "mixed" Hyacinths.

SINGLE

Pink, Red, White, Pure White, Blush White,
Light Blue, Dark Blue, Yellow.

Per 100

Each, 7c; doz. 75c.

\$4.25

DOUBLE

Pink, Red, White, Pure White, Light Blue,
Yellow.

Per 100, any color except Pure White

Pure White

Each, 7c; doz. 75c.

\$4.25

4.75

TULIPS

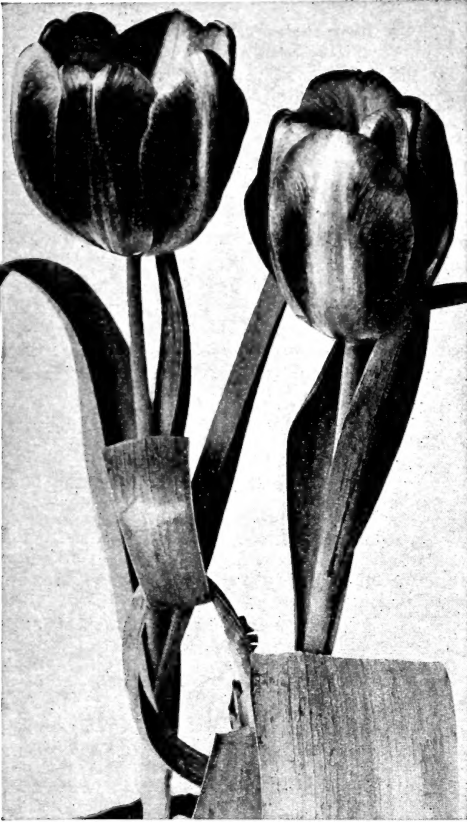
Extra Select Large Solid Bulbs

WHETHER planted in masses or small beds Tulips produce a handsome and striking effect. They are equally desirable as pot plants and are always sure to bloom. Any good garden soil will grow them to perfection, and no bulb makes such a gorgeous display of blossoms with so little cultivation.

Culture—The culture of Tulips is similar to that of Hyacinths, except that the bulbs should not be planted quite so deep, and from three to six inches apart. All single Tulips force easily. For indoor planting we have regular Tulip pans. Plant four bulbs to a six-inch pan; eight to an eight-inch pan, etc.

The letters A, B, C, following the varieties, indicate their earliness of bloom; the A's are the earliest, B's follow, etc. The average height in inches is also given for your benefit in selecting for bedding purposes.

Outdoors—Early or late planting does not seem to have much effect on Tulips, but they should be planted in fresh, rich soil, but not freshly manured, manuring should be done 6 months before planting.



Pink Beauty

Single Early Tulips

Single Scarlet

Artus, B 7—Deep, brilliant scarlet, fine for forcing or bedding.

Each, 3c; doz., 30c; 100, \$1.75

Belle Alliance, B 7—Brilliant scarlet, sweet scented, excellent for forcing and bedding

Each, 5c; doz., 40c; 100, \$3.00

Duc van Tholl, A 6—Bright scarlet; one of the finest for bedding and forcing.

Each, 4c; doz., 40c; 100, \$2.50

Prince of Austria, B 12—Bright orange vermillion, large sweet-scented flower, fine forcer and bedder.

Each, 4c; doz., 40c; 100, \$3.00

Vermillion Brilliant, B 8—A beautiful flower; forces easily and early; one of the largest and finest scarlets.

Each, 6c; doz., 50c; 100, \$4.00

Cramoise Brilliant, B 10 (Sparkler)—Bright vermillion, large flowers of great substance, fine forcer.

Each, 4c; doz., 40c; 100, \$2.50

Crimson King, B 7—Bright crimson or scarlet, easily forced.

Each, 3c; doz., 30c; 100, \$1.75

Grelgt, C10—"The Queen of Tulips," handsome and distinct; flowers very large; brilliant orange scarlet with yellow and black center; spotted foliage.

Each, 12c; doz., \$1.25; 100, \$10.00

Maes, A 10—Rich scarlet tinged purple inside, center bronze with bright yellow ring; one of the earliest and best bedders.

Each, 5c; doz., 50c; 100, \$3.50

Pottebakker, A 8—Bright scarlet; large fine flower, good for forcing or bedding.

Each, 4c; doz., 40c; 100, \$3.00

Couleur Cardinal B 10—Rich bronze scarlet, large fine flower of great substance, long stems, erect habit; a splendid bedder and one of the best for forcing. Our stock is extra fine

Each, 4c; doz., 40c; 100, \$2.75

Single Violet

Wouwerman, B 8—Purple violet, large flowers; fine for outdoor planting.

Each, 6c; doz., 60c; 100, \$4.50

Van der Neer, A 10—Large violet purple, fine form, early.

Each, 8c; doz., 75c; 100, \$5.00

President Lincoln, B 8—Pretty shade of lilac violet.

Each, 5c; doz., 50c; 100, \$3.75

EARLY SINGLE TULIPS---Continued

Single White

Albion, B 10 (White Hawk)—One of the finest pure white Tulips in cultivation for forcing and bedding; flowers snow white, very large and of great substance.

Each, 5c; doz., 40c; 100, \$2.75

Duc van Tholl, A 7—Pure white; the best white Tulip for early forcing.

Each, 4c; doz., 35c; 100, \$2.00

Joost Van Vondel—White—B 9—Finest and most handsome pure white Tulip, extra large.

Each, 8c; doz., 75c; 100, \$5.00

Pottebakker, A 9—Pure white; fine large flowers

Each, 4c; doz., 40c; 100, \$2.50

Single Yellow

Chrysolora, A 9—Pure golden yellow, large and fine; excellent for bedding.

Each, 3c; doz., 30c; 100, \$1.75

Gold Finch, B 9—Golden yellow, sweet scented; forces easily and early; stands well, a good bedding sort.

Each, 3c; doz., 30c; 100, \$2.00

Mon Tresor—A 10—Earliest golden yellow, fine large flowers, one of the best forcing Tulips.

Each, 4c; doz., 40c; 100, \$2.50

Thomas Morus, A 12—Apricot orange. The finest forcing tulip of its color, large elegant form, very early.

Each, 3c; doz., 30c; 100, \$2.00

Primrose Queen, B 10—A beautiful new tulip; rich sulphur yellow; a splendid forcer and good keeper. Florists should try this.

Each, 5c; doz., 50c; 100, \$3.75

Golden Queen, A 13—A fine deep yellow, early and extra large.

Each, 5c; doz., 50c; 100, \$3.75

Yellow Prince, B 9—Sweet scented; one of the very best for forcing; a fine yellow.

Each, 3c; doz., 35c; 100, \$1.75

L'Immaculee, B 9—Pure white; good for forcing and bedding.

Each, 4c; doz., 35c; 100, \$2.00

La Reine, B 8—Pure white; best white Tulip for forcing and bedding.

Each, 3c; doz., 30c; 100, \$1.75

Single Pink

Rose Grisdelin, B 7—Beautiful, delicate pink; finest pink Tulip in cultivation.

Each, 3c; doz., 30c; 100, \$2.00

Rachel Ruisch—A light shade of pink, fine for outdoor planting.

Each, 3c; doz., 30c; 100, \$2.00

Rose Luisante, B 9—Deep pink, extra fine bedder; forces well.

Each, 4c; doz., 40c; 100, \$3.00

Queen of the Netherlands, A 13—Large, light pink, fine globe-shaped flower.

Each, 4c; doz., 40c; 100, \$3.00

Queen of Pinks—(Princess Wilhelmina)—Deep rosy red, flushed white; large and very beautiful, height 15 inches.

Each, 4c; doz., 40c; 100, \$2.50

Pink Beauty, B 11—Bright rose pink shading to blush near yellow center. Has no equal in its class.

Each, 7c; doz., 75c; 100, \$5.00

Proserpine, A 12—Fine glossy carmine pink, large and early forcer and a splendid bedding tulip.

Each, 5c; doz., 50c; 100, \$4.00

Finest Single Mixed

This mixture contains all colors and shades, and is very fine for bedding.

Each 3c; doz. 25c; 100, \$1.50

Single Variegated Tulips

Brutus—Orange crimson, yellow edge; fine for forcing.

Each, 3c; doz., 30c; 100, \$2.00

Cottage Maid, B 9—White bordered with pink, extra fine and showy.

Each, 3c; doz., 30c; 100, \$1.75

Duchesse de Parma, C 10—Terra Cotta with yellow edge, large flower, forces well, fine for beds.

Each, 3c; doz., 30c; 100, \$2.00

Joost van Vondel, B 9—Deep, glossy, cherry red and white, large and attractive.

Each, 4c; doz., 35c; 100, \$2.75

Keizerskroon, B 9—Bright red, with yellow edge; very large, no other Tulip makes such a handsome bed.

Each, 4c; doz., 35c; 100, \$2.25

Standard Royal, B 9—Silvery white, feathered with cherry crimson.

Each, 4c; doz., 40c; 100, \$3.00

DUCHESS
DE PARMA

A Fine, Large
Bedding Tulip
in the popular
Terracotta
Shade.

ORDER
EARLY

While Stocks are
Complete



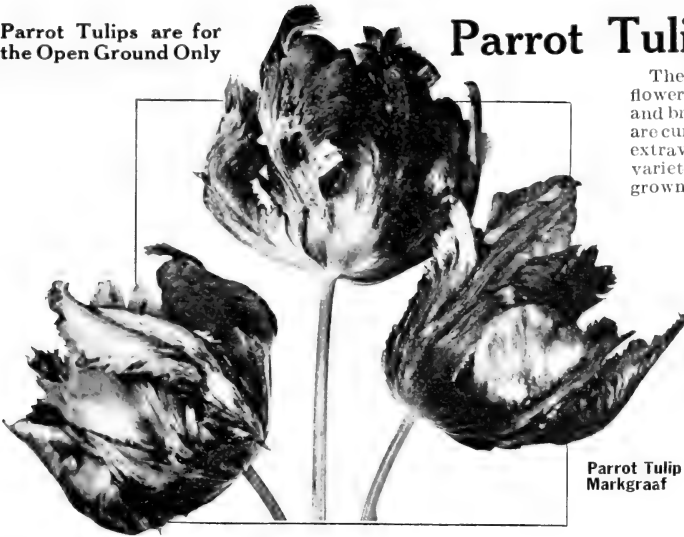
BE SURE TO PLANT A FEW GROUPS OF THE

Giant Darwin Tulip

See Page 9—Also Front Cover

Parrot Tulips are for
the Open Ground Only

Parrot Tulips



Parrot Tulip
Markgraaf

These Tulips have immense, attractive flowers of singularly picturesque forms and brilliant and varied colors. The petals are curiously fringed or cut. They form extravagantly showy flowers of endless variety of form and color, and should be grown in every flower garden.

Admiral de Constantinople—

Orange red, good size

Cafe Brun—Orange, red feathered; very showy.

Cramoise Brillant—Beautiful carmine red, large flowers; very fine.

Lutea Major—Golden yellow, extra fine and large flowers.

Markgraaf—Inside rich orange, outside scarlet and yellow, feathered, extra fine.

Perfecta—Yellow, scarlet feathered

NAMED VARIETIES.

Each, 3c; doz., 35c; 100, \$2.00

FINE MIXED—This mixture contains a large assortment of colors
Each, 3c; doz., 25c; 100, \$1.75

Early Double Tulips

THE double Tulips are used mostly for outdoor planting and bloom a little later than the early Single Tulips. Being double and full, the blooms last longer. This, with the great variety of colors, shades and markings, makes them favorites with many.

Couronne d'Or, B 8—Fine yellow, the best double yellow for forcing, strong stem and stands handling well.

Each, 5c; doz., 50c; 100, \$3.00

Duke of York, B 10—A lovely carmine having a white edge; very showy; fine for bedding.

Each, 4c; doz., 35c; 100, \$2.25

Gloria Solis, A 9—Deep crimson, with a broad, golden yellow margin; a grand flower.

Each, 4c; doz., 40c; 100, \$2.50

La Candeur, B 8—Pure white, very full and double; extensively grown in open beds.

Each, 4c; doz., 35c; 100, \$2.25

Murillo, B 8—This is decidedly the best double pink Tulip for forcing or bedding; flowers large and full; very fine.

Each, 3c; doz., 30c; 100, \$2.00

Queen Victoria, B 8—Carmine, a lovely flower; good bedder.

Each, 4c; doz., 40c; 100, \$2.50

Early Double Mixed—This mixture contains a large and choice assortment of all colors and shades; very suitable for outdoor planting.

Rubra Maxima, B 9—Bright crimson scarlet, superb variety for bedding; cannot be forced; flowers large.

Each, 4c; doz., 40c; 100, \$2.50

Salvator Rosa, A 7—Beautiful deep rose, flamed with white; fine for forcing.

Each, 5c; doz., 45c; 100, \$3.00

Tournesoll, A 9—Bright red, with yellow edge, sweet scented, large flower. One of the easiest doubles to force.

Each, 5c; doz., 50c; 100, \$3.00

Titian—Scarlet, edged yellow. Height, 12 inch

Each, 6c; doz., 60c; 100, \$4.00

Lord Beaconsfield—Brilliant crimson-rose, the shape of the flower resembles a giant Ranunculus. Height, 12 inches.

Each, 6c; doz., 60c; 100, \$4.00

Fire King—Beautiful orange-red, a very striking color. Height, 14 inches.

Each, 6c; doz., 65c; 100, \$5.00

Murillo—Sulphur (Brimstone Beauty) soft pale yellow, shaded apricot, quite an unique color in double tulips. Height 12 inches.

Each, 10c; doz., 95c; 100, \$7.00

Each, 3c; doz., 25c; 100, \$1.50

Late Double Tulips

These are handsome and showy, and are often planted in small groups about the yard, as well as in large beds. Following varieties grow quite tall.

Blue Flag—Bluish violet, one of the best dark shades.

Each, 9c; doz., 90c; 100, \$6.50

Marriage de ma fille—White, feathered with cherry crimson, flowers large, full and double; very showy.

Each, 9c; doz., 90c; 100, \$6.50

Yellow Rose—A handsome golden yellow; a good bloomer.

Each, 4c; doz., 35c; 100, \$2.00

For Beautiful New Ferns that are easily grown, see page 32.



Tulip

La

Merveille

One of the Most Brilliant and Beautiful Reds and is low in price.

TRY IT.

MOLES ?

If the moles eat your tulips don't get discouraged. Get some one-inch mesh poultry netting two feet wide and put it around your Bulb Beds, putting it in full depth so the top is about level with the surface of the ground

Single May Flowering Tulips

THESE are to be grown in the open ground only, each individual blossom being a marvel of beauty in itself. They grow from 18 to 24 inches high and appear at their best when used in the border, the fore-ground of shrubbery or buildings, or out of the way corners of garden, where, if left undisturbed, they will bloom with increasing beauty for years. They are extremely hardy and the flowers borne on long, strong stems are good keepers when cut.

Bizarres—Yellow ground, flaked with crimson, purple and violet.

Each, 3c; doz., 30c; 100, \$2.00

Bouton d'Or—Golden yellow, graceful form, beautiful flower. The only late pure deep yellow.

Each, 3c; doz., 30c; 100, \$2.00

By-blooms—White ground, flaked with violet, crimson and maroon.

Each, 3c; doz., 30c; 100, \$2.00

Gesneriana Lutea—Deep yellow, fine large flower. Each, 4c; doz., 35c; 100, \$2.50

Gesneriana Spathulata—Blooms large; color rich crimson with dark center.

Each, 3c; doz., 35c; 100, \$2.00

Golden Crown—Deep yellow, with crimson edge; very showy.

Each, 3c; doz., 30c; 100, \$1.75

Isabella—(Shandon Bells)—Cream turning to carmine, large.

Each, 3c; doz., 35c; 100, \$2.00

Picotee—White with a pink border; fine for cutting.

Each, 3c; doz., 35c; 100, \$2.00

Sweet Nancy—White to light pink, gracefully reflexed petals, margined red.

Each, 4c; doz., 40c; 100, \$2.00

White Swan—A lovely egg-shaped pure white flower on long stems; extra fine cut flower.

Each, 3c; doz., 30c; 100, \$2.00

Diamond Collection Ten Most Beautiful Show Tulips

Elegans Alba—White with red penciling on margin, gracefully reflexed petals, yellow anthers.

Each, 6c; doz., 60c; 100, \$4.50

Ellen Willmot—An exquisite shade of rich, creamy yellow; large refined flower; delicious fragrance; long keeper. The finest May flowering Tulip.

Each, 10c; doz., \$1.00; 100, \$8.00

Fairy Queen—Rosy heliotrope, broadly margined yellow; inside of petals brownish red.

Each, 5c; doz., 50c; 100, \$3.00

Gesneriana Ixodes—Magnificent yellow with black center; a rare and beautiful Tulip.

Each, 15c; doz., \$1.50, 100, \$10.00

Inglescombe Pink—Salmon pink with blue base; one of the finest of the large May flowering tulips.

Each, 5c; doz., 50c; 100, \$3.00

Inglescombe Scarlet—Same form as above. Color a rich scarlet black base.

Each, 5c; doz., 50c; 100, \$3.50

Inglescombe Yellow—A large fine yellow of perfect form; may be used for yellow Darwin.

Each, 10c; doz., 95c; 100, \$7.00

La Merveille—A large bright scarlet, suffused apricot orange; gracefully formed long pointed petals; one of the most beautiful Tulips.

Each, 4c; doz., 40c; 100, \$2.50

Mrs. Moon—Large orange yellow. A superb tulip, the best of its color.

Each, 7c; doz., 75c; 100, \$6.00

Primrose Beauty—Soft primrose, changing to white; a magnificent flower of the Wilmot type.

Each, 7c; doz., 75c; 100, \$4.00

SPECIAL—For trial, one each of these 10 beautiful rare Tulips for only 65c postpaid.

New Giant Darwin Tulips

THESE new giant May flowering Tulips have a majestic beauty distinctively their own that is invaluable for garden and landscape effects, and their immense globular flowers of perfect form and satiny, wax-like texture, long stems and lasting qualities, make them ideal for cutting. They come in the most varied and brilliant coloring, from white through dainty pinks, salmon, rose, and deep rich reds to black, lavenders, heliotrope, blue, violet, purple, bronzes and browns, but as yet no pure yellow. Inglescombe Yellow, page 8, in the May flowering Tulips can be used and is known as the Yellow Darwin.

For best effects Darwins should be planted in clumps of from 15 to 25 bulbs of one color, or in the fore-ground of shrubs, trees, borders, or buildings. They prefer partial shade, but will thrive in any location. They come in hundreds of varieties, of which we offer the following as the best of their color. Try them.

CLARA BUTT—Bright apple blossom pink, a brilliant and beautiful self-color. The form is the ideal Darwin type, and is conceded by all critics to be the most magnificent of its class; one of the grandest garden tulips and also forces easily, making splendid and lasting cut flowers, must be grown cool when forced. (Illustrated on front cover.)

Each, 7c; doz., 75c; 100, \$4.50.

Bronze Queen—Extra large, light bronze yellow'

Each, 8c; doz., 85c; 100, \$6.00.

Gretchen—Large globular delicate pink flower, inside soft blush.

Each, 5c; doz., 50c; 100, \$4.00.

Farncombe Sanders—Beautiful, fiery scarlet; best of its color.

Each, 8c; doz., 80c; 100, \$6.00.

Kate Greenaway—One of the largest and latest; immense white flowers suffused with lilac.

Each, 5c; doz., 50c; 100, \$3.50.

La Candeur—(White Queen)—Splendid white flower tinged delicate blush; large size.

Each, 6c; doz., 60c; 100, \$4.50.

La Tulip Noire—The Black Tulip, flowers large, lustrous and attractive, of fine form, true Darwin type, grows 24 inches high, May flowering. A rare novelty.

Each, 25c; doz., \$2.50

Mme. Krelage—Bright pink, lighter edge.

Each, 6c; doz., 65c; 100, \$4.25

Pride of Haarlem—Brilliant salmon rose, shaded scarlet, blue at base; of grand size and form.

Each, 6c; doz., 65c; 100, \$5.00

Rev. Ewbank—Soft mauve, light edging.

Each, 8c; doz., 85c; 100, \$6.00

La Tristesse—Beautiful violet with light base.

Each, 10c; doz., \$85c; 100, \$6.50

Dream—Beautiful soft lilac self colored, extra large.

Each, 8c; doz., 85c; 100, \$6.00

Mixed—

Each, 4c; doz., 40c; 100, \$2.50

Two Rare Tulips of Great Beauty

Kaufmanni—A wonderful new Tulip [blooming four weeks earlier than any other variety; color white inside, pink outside of petals; a rare and beautiful combination: a novelty of great merit

Each, 15c; doz., \$1.50; 100, \$10.00

Tubergiana—Giant of all Tulips; color brilliant vermilion with dark blotch at base; flowers 8 to 10 inches in diameter, height 20 inches, May flowering, prefers sunny situation, fine for rock garden

Each, 25c; doz., \$2.50

Special Tulip Collections for Trial

FOR those who would learn the names of Tulips, their relative time of flowering and habit of growth, and to enable you to select varieties you prefer for special planting purposes, we offer one each of the following classes at reduced prices for trial. A knowledge of the classes and names of flowers increases the value and adds greatly to the interest and pleasure of gardening.

No. 1 Trial Collection—39 Early Single Tulips

—One each of the named varieties listed on pages 5 and 6.

\$1.25, postpaid.

No. 2 Trial Collection—22 May Flowering Tulips—Including Kaufmanni and Greigii, pages 7 and 8. A splendid assortment of the most beautiful garden tulips.

\$1.10, postpaid.

No. 3 Trial Collection—12 Finest Double Tulips—Useful for forcing or outdoor plantings.

45c, postpaid.

No. 4 Trial Collection—12 Giant Darwin Tulips

—A select list of the most magnificent varieties—see description above. These are for outdoor planting.

75c, postpaid.

No. 5 Trial Collection—6 Parrot Tulips—The most wonderful and unique of all tulips, page 7. These are for outdoor planting

15c postpaid.



La
Tulipe
Noire

Be
Sure
To
Plant
a
Few
Clumps
of
Darwins



Narcissus Poetaz—Elvira

"Diamond Quality" NARCISSI

We consider Narcissi to be the most satisfactory and valuable of all flowering bulbs; coming in endless variety, adapting themselves to every planting condition or requirement, their stately and delicate beauty, exquisite perfume, earliness, free blooming and keeping qualities, endear them to all who have grown them.

Once planted in the field or garden they need no further attention but will thrive and perpetuate themselves, increasing in beauty for years.

Popular Types

The Polyanthus, flowering in clusters; the "Paper White" being the earliest, easiest to force and best known of this class.

The Trumpet types or "Daffodils" are the most widely known, and some of the best garden varieties are of this class; they also force easily, making ideal pot plants.

The "Chalice Cupped" or Star Narcissus are the daintiest and most charming of all types. To this class belong the Incomparabilis, Barrii, Leedsii, etc., all splendid garden varieties that will also give perfect results when grown in pots or forced.

The white flowered Poeticus type or "Pheasants Eye" Narcissus, give us some of the best of the later garden types, being hardy, sweet scented, very chaste and beautiful. Some varieties force easily, others are best suited to the garden or field.

The new Poetaz Narcissi are hybrids of Poeticus and Polyanthus types, forming a distinct and beautiful, free blooming, large flowered class that is attracting much attention and will be grown extensively as they become better known. They retain the polyanthus or cluster form of blooming, but the individual flowers are almost as large as the Poeticus types, equally valuable for bedding or forcing; extremely hardy.

Outdoor Culture—Plant in early fall if possible but plantings as late as Christmas will give excellent results. The depth to plant is $1\frac{1}{2}$ the depth of the bulb. This gives a covering of 2 to 3 inches of soil. Any good garden soil which has not been recently manured will give satisfactory flowers, but a deep moist loam is best. If the ground is dry or sandy it should be dug deeply, well manured and an annual, such as potatoes, grown the year previous. If your soil is light and you do not want to take off a crop before planting, give a light dressing of lime to the surface and work in a layer of well rotted manure a foot below, so as to be out of reach of the bulbs, this layer is to hold the moisture, not as a fertilizer. The best fertilizer is ground bone. This can be used with safety on poor sandy soil. A little sulphate of potash, 3-4 oz. to the square yard, will improve the color of the flower and retain the moisture.

Pot Culture—The Bulbs should be planted as soon as received as earliest plantings insure finest flowers. In potting use good, turfy loam, but let no manure of any kind, well rotted or otherwise, touch the bulb. Set in a cool, dark room for a month or two, until well rooted, then remove to the light for flowering. (All bulbs prefer a cool temperature. Be careful not to grow them too warm). Do not cultivate too much, as extra vigor of growth injures the purity of color. Some Narcissi prefer partial shade but grow splendidly in any situation.

In Planting Narcissi large groupings of irregular outline give most pleasing effects, shun symmetrical lines or formal designs.

New Cluster-Flower—Poetaz Narcissi

These are hardy hybrids between Polyanthus and Poeticus, very vigorous, growth tall and stately, with clusters of delightfully fragrant flowers. They thrive and bloom in great profusion; good keepers, forcing or bedding.

ELVIRA—Long graceful stem, flower heads have three to four large blooms, broad, white petals, deep golden cup, with scarlet edge, delicious fragrance.

Each, 8c; doz., 75c; 100, \$5.00

IRENE—Deep cup, beautifully fluted, perianth sulphur yellow, superb.

Each, 15c; doz., \$1.50, 100, \$10.00

IDEAL—White Perianth, dark orange cup, large truss, free bloomer. Each, 8c; doz., 75c; 100, \$5.50

NEWEST CACTUS and PAEONY Flowered DAHLIAS—See Pages 22 to 24

DAFFODILS

The trumpet types of *Narcissi* are the true old fashioned form of Daffodils, but we now have many new and wonderful sorts, they are the largest and most glorious of all *Narcissi* and are perfectly hardy everywhere. Can also be grown in pots. See page 12 for culture. We especially advise you to try Mad. de Graaf and Glory of Leiden.

To enable you to plant for succession of bloom, we have numbered the varieties in their relative earliness. No. 1, early March; No. 2, late March; No. 3, early April; No. 4, late April; No. 5, May.

TWO GRAND NEW GIANT DAFFODILS THAT YOU SHOULD GROW.

Mad. de Graaff—(4)—A lovely white daffodil. Opens with soft primrose trumpet passing to white, of perfect form, giant size, vigorous and free blooming; forces well and for garden or naturalizing in grass has no superior; height 16 inches. First-class certificate, R. H. S. **Each, 20c; doz., \$2.00**

Glory of Leiden (4)—A fitting companion for the above; a bold, giant daffodil, with golden yellow trumpet, perianth lighter, very erect, of fine form and good substance; free blooming, forces well, is a good keeper and very hardy in open ground; height 14 inches. First-class certificate, R. H. S. **Each, 20c; doz., \$2.00**

Albicans—(2)—The "White Spanish Daffodil"—Cream white, with silvery white trumpet slightly flushed with primrose and elegantly recurved at brim.

Each, 5c; doz., 50c; 100, \$3.50

Bicolor Empress—(3)—Perianth snow-white, trumpet rich yellow, serrated and flanged at the edges, large in outline and of rare beauty.


Each, 6c; doz., 60c; 100, \$3.50

Bicolor Victoria—(2)—A magnificent large variety, bold and erect. A rare beauty; sweet-scented and the best of the bicolor varieties. Perianth white and of great substance; trumpet rich yellow.

Each, 6c; doz., 60c; 100, \$3.50

Emperor—(3)—A magnificent flower; perianth primrose; trumpet large, rich deep yellow. One of the finest Daffodils in cultivation.

Each, 6c; doz., 60c; 100, \$3.50

 **SPECIAL** One each of these nine Magnificent Single-Trumpet Daffodils 65c Post Paid

Madame De Graaff



Golden Spur—(1)—One of the grandest Daffodils, with extra large, bold, rich, golden yellow flowers, foliage very broad and striking; of robust habit and unsurpassed for gardens, pots and forcing.

Each, 6c; doz., 60c; 100, \$3.50

Trumpet Major—(3)—Flower large and almost of a uniform deep golden; highly prized as an early forcing sort and largely planted for outside bedding. Fine for cutting.

Each, 4c; doz., 35c; 100, \$2.00

Obvallaris—(1)—(Tenby Daffodil) — A beautiful and distinctive type. Perianth and trumpet rich, full yellow, large, of good substance and perfect form. Very early, ideal for naturalizing, flower well.

Each, 6c; doz., 60c; 100, \$3.50

Jonquils

A Species of *Narcissus* distinguished by its Rush Like Leaves

Very popular on account of their easy cultivation and very fragrant, golden yellow blooms, which remain a long time in perfection. Easily grown in the house or open garden. Half a dozen bulbs can be put in a five-inch pot, and with the same treatment as recommended for Hyacinths a fine display can be produced from January to April.

For garden display nothing is finer, they are lasting, flower freely, are deliciously perfumed, and of a beautiful golden yellow; best of all they are inexpensive and should be planted freely.

Jonquil Campernelle—Single—Large, yellow flowers, 4 to 6 borne on each stem, fine forcer, splendid garden sort, height 18 inches.

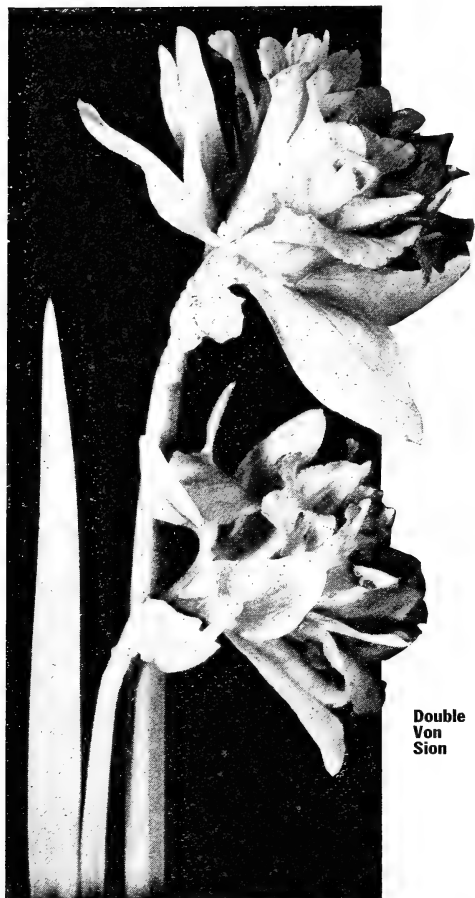
Each, 4c; doz., 35c; 100, \$1.75

Double Jonquil—Very double, deep golden

Jonquil Rugulosus—Improved giant Jonquil, broadly imbricated perianth wrinkled cup, beautiful rich yellow.

Each, 3c; doz., 30c; 100, \$2.00
yellow, deliciously fragrant.

Each 4c; doz., 40c; 100, \$2.75



Double
Van
Sion

Double Daffodils

Van Sion—(Telamonius Plenus) (2)—"The True Double Yellow Daffodil." Rich golden yellow perianth and trumpet. This is the old favorite so highly prized and deserves to be planted in quantity where it can remain undisturbed for several years. It will then thrive and bloom in increasing profusion every spring and is also one of the best winter flowering and forcing sorts, immense quantities being used for this purpose.

Each, 5c; doz., 50c; 100, \$3.00

Van Sion—Double nose, extra large bulbs.

Each, 6c; doz., 60c; 100, \$4.50

Silver (Sulphur) Phoenix (3)—Very large flowers; pale creamy white, shading to primrose. One of the finest varieties for pot culture, and makes a splendid cut flower.

Each, 5c; doz., 50c; 100, \$3.00

Alba Plena Odorata—(6)—"The Double White Poet's Narcissus." Double, snow-white flowers, exquisitely scented; late flowering; cannot be forced.

Each, 3c; doz., 30c; 100, \$1.75

Orange Phoenix (3)—(Eggs and Bacon)—Beautiful double white flowers, with orange center; splendid for pot culture, cutting and garden planting. **Each, 5c; doz., 40c; 100, \$2.00**

Poeticus Varieties

Poeticus Varieties—These are among the most beautiful of all spring flowering bulbous plants. The large, single blossoms, 2 to 2 ½ inches across, are of a snowy whiteness, intensified by the exquisite golden colored cups, ringed like a pheasant's eye, with red and green. The flowers are gracefully poised on long, stout stems, adapting them for vases. They are especially valuable for garden planting. If allowed to remain undisturbed, they thrive, spread and improve every year.

Glory (4)—The new Poeticus, largest of the type. Snowy white, perfectly formed petals; a flower of great beauty, with every good quality.

Each, 15c; doz., \$1.50

Poeticus (Pheasant's Eye) (5)—Pure white flowers, orange cup, edged with red. Very useful for cutting in spring, as they can be planted in borders out of doors, where they are perfectly hardy, and will bloom year after year. **Does not force.**

Each, 3c; doz., 25c; 100, \$1.00

Poeticus Ornatus (4)—(The Improved Poeticus)—Pure white cup, edged with scarlet, much finer in form and earlier than Poeticus. A magnificent cut flower. **Largely used for forcing**

Each, 3c; doz., 25c; 100, \$1.25



New "Poeticus Glory"



REMINDER

Narcissi once planted increase in Numbers and Beauty each year. They are a permanent improvement.

NARCISSI—Continued



Frank Miles

“Chalice Cupped” or Star
Narcissi

Incomparabilis, Barrii, and Leedsii, are types of this class of hardy, vigorous, free flowering Narcissi. They also force well, are inexpensive and most beautiful. Be sure to plant them.

INCOMPARABILIS TYPES

Sir Watkin (2)—“The Giant Chalice Flower,” or “Big Welshman.” A gigantic variety, having immense, long-stemmed flowers, sometimes measuring five inches across, and is the largest variety grown. Color a rich light yellow, with a large, dark cup, tinted with orange.

Each, 5c; doz., 50c; 100, \$3.50

Incomparabilis Simplex—Yellow, fine for forcing and cutting; flowers well formed and fragrant.

Each, 4c; doz., 35c; 100, \$2.00

Cynosure—(3) Sulphur white perianth, cup stained orange scarlet; a graceful showy flower.

Each, 4c; doz., 35c; 100, \$2.00

BARRII TYPES

Barrii Conspicuous (4)—The finest of this class; long-stemmed flowers, with beautiful broad-petaled perianth; sparkling canary yellow, with deep golden cup, richly edged with orange scarlet. First-class certificate, R.H.S.

Each, 4c; doz., 35c; 100, \$1.50

Flora Wilson—(4)—Pure white perianth, yellow cup, edged orange scarlet, a striking beauty.

Each 7c; doz., 75c; 100, \$5.00

LEEDSII TYPES

Leedsii White—(Type)—Silvery white, very free flowering.

Each, 3c; doz., 30c; 100, \$1.75

Frank Miles (3)—Large, soft, clear yellow; petals gracefully curved and twisted.

Each, 5c; doz., 50c; 100, \$3.75

Ariadne (3)—A refined flower of great beauty white perianth wide cream-colored cup with dainty frilled margin, a rare beauty; award of merit R. H. S.

Each, 15c; doz., \$1.50.

Mrs. Langtry (4)—A remarkable, free flowering variety, with broad white perianth and large white cup edged yellow. First-class certificate, R. H. S.

Each, 4c; doz., 35c; 100, \$2.00

Minnie Hume (3)—Large white perianth, spreading cup, passing from lemon yellow to white. One of the best and most beautiful. Also awarded a first-class certificate, R. H. S.

Each, 4c; doz., 35c; 100, \$2.00.

Katherine Spurrell (4)—Large, shapely flower, sulphury white, perianth, canary cup.

Each, 7c; doz., 75c; 100, \$5.00.

Queen Bess (1)—Pure white perianth, bright yellow cup, large and very early.

Each, 5c; doz., 50c; 100, \$3.00.

Mrs. Langtry
(Leedsii Type)

SEE PAGE 41 FOR COMPLETE LIST OF ROSES

Narcissi-Polyanthus

The Polyanthus varieties of Narcissi are not only beautiful, but deliciously sweet-scented, and of the easiest culture, very free flowering and suitable for forcing indoors or bedding out, continuing long in bloom. They bear tall spikes of bloom, bearing from six to twenty-four flowers each.

PAPER WHITE GRANDIFLORA

Flowers pure white, especially desirable for their beauty and delicious odor. It forces admirably and flowers freely in dense clusters; will come into bloom as early as December, if potted early. Forced by florists for cut flowers. Anyone can grow them in the house successfully. Plant one bulb to a three-inch pot, four to a six-inch pot. Can be grown in water. See page 2.

Each, 5c; doz., 40c; 100, \$2.00

Grand Monarque—Large, pure white, with lemon cup. One of the finest in this class.

Each, 6c; doz., 60c; 100, \$4.00

Grand Soleil d'Or—Rich yellow, with orange cup; fine for bedding and cutting.

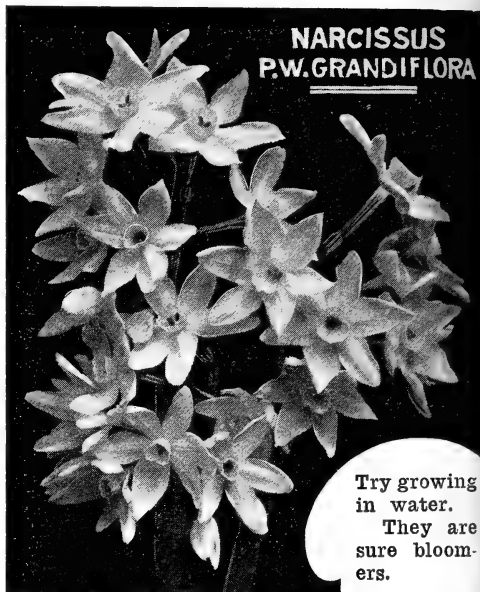
Each, 6c; doz., 60c; 100, \$4.00

The Pearl—Pure white flowers of mammoth size and very fine; looks very much like the Grandiflora, but is much larger.

Each, 6c; doz., 60c; 100, \$4.00

Extra Fine Mixed

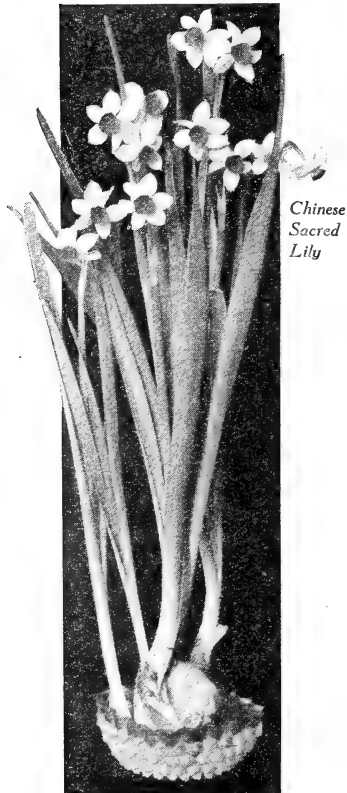
Each, 5c; doz., 50c; 100, \$3.50



**NARCISSUS
P.W. GRANDIFLORA**

Try growing
in water.

They are
sure bloom-
ers.



*Chinese
Sacred
Lily*

Sacred Chinese Lily

(Narcissus Orientalis.)

The "Shui Sin Far," or Water Fairy Flower, Joss Flower, or Flower of the Gods, etc., so called by the Celestials, is a variety of Narcissus, bearing in lavish profusion chaste flowers of silvery white, with golden cups, which are of exquisite beauty and entrancing perfume. They are grown by the Chinese, according to their ancient custom, to herald the advent of their new year and as a symbol of "good luck."

By method of culture original to them, they succeed in growing large, solid bulbs, which produce a profusion of bloom in an incredibly short time, usually not more than four to six weeks from the time of planting.

These Sacred Lilies do well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough pebbles to prevent them from tipping over when in bloom. A dozen bulbs started at intervals will give a succession of flowers throughout the winter.

This splendid flowering bulb increases in popularity each year, and we import annually, direct from China, immense quantities of the best bulbs—large, solid and well matured. Bulbs ready from September to April.

Each, 15c; 2 for 25c; doz., \$1.40, postpaid

FERNS and PALMS

Fine, healthy, well-rooted plants can be safely delivered to any postoffice. All sizes at reasonable prices.

See Pages 32-33

Crocus

These charming little flowers bloom at a time when the ground is destitute of foliage or other flowers. This makes them most welcome, and they should occupy a prominent place in every garden. When planted in borders or beds in one or more colors, the effect is striking. No spring display surpasses that of the Crocus. The broad, wavy bands of golden yellow, striped, purple, or of pure white, when they expand their blossoms in February and March, are incomparable.

A desirable effect is produced by setting Crocuses here and there over the lawn. It is only necessary to lift the turf and insert the bulbs about two inches deep. They will care for themselves, blooming very early amid the grass, and dying down to the bulb in ample time to be entirely out of the way of the lawn mower. Once planted, they will remain uninjured in the ground and bloom for years.

Plant from October to March, about three inches deep and about two inches apart in beds or borders. Indoor, the Crocus can be easily forced. Plant from six to a dozen bulbs in a shallow pot, keep cool and water well, treating same as Hyacinths.

FERNS

That are
easily grown
The newest
most beautiful
varieties.

See 32

Planted in pots Crocus
make splendid house
plants. :: :: ::



New
Giant
Crocus
Purpurea
Grandiflora

Named Crocus

The following varieties are new and improved sorts, the finest of their color. Be sure to include them in your list. For forcing or special work the Named Crocus is best.

King of the Whites—Mammoth snow white, truly the king of all white Crocus

Lothair—White with blue stripes, very beautiful and distinctive.

Purpurea Grandiflora—Bright purple, large, fine flower; best of its color

Baron Brunow—Bright purple, free blooming, flowers large, extra fine.

Cloth of Gold—Golden yellow, slightly veined red, flowers large.

Cloth of Silver—Silvery white, striped lilac.

Mont Blanc—Large, pure white; one of the finest.

Mammoth Yellow—Yellow, selected bulbs of large size; finest blooms.

Sir Walter Scott—White, striped with purple, the best striped, very large.

Price, doz., 20c; 100, \$1.25; 1000, \$10.00

Mixed Crocus

These separate colors in mixed shades are extensively planted for outdoor beds or borders. Our bulbs are all solid and sound and first size. We have four colors.

Assorted—Blue, striped, white or yellow.

Doz., 10c; 100, 65c

Mixed—All colors.

Per 100, 60c

Anemones

These bulbs produce a most beautiful and showy flower. The plant is neat and compact in growth. Foliage is very fine and elegantly cut. Culture same as for Hyacinths. For forcing indoors, plant three or four bulbs in a four-inch pot. Avoid too much heat.

Double blue, scarlet or mixed.

Each, 4c; doz., 35c

Single scarlet, blue, white or mixed.

Each, 3c; doz., 25c

ANEMONE FULGENS—Scarlet Wind flower, extra large..... Doz., 30c; 100, \$2.00

Giant St. Brigids

New-Giant St. Brigids—A new race of Anemones far superior to any hitherto known. Flowers come double, semi-double and single, from 3 to 5 inches across and in many varied and brilliant colors, long stems, free blooming. Planted inside in the fall will flower during the winter or can be planted in open ground after danger of frost has passed. Try them.

Price, Each, 5c; doz., 50c; 100, \$3.00

Miscellaneous Spring Flowering Bulbs

Allium

Neapolitanum—An excellent variety for winter flowering, extensively forced by florists for cut flowers. Its flower stems are 20 inches high, supporting a large cluster of delicate white starry flowers; sure to bloom splendidly in any window.

Neapolitanum Each, 3c; doz., 25c; 100, \$1.00
Mixed colors Each, 3c; doz., 20c; 100, 85c

Chionodoxa

They produce flower spikes bearing lovely Scilla-like flowers. They are perfectly hardy, and may be planted as an edging to a bed, or in masses; they flower with the Snowdrops and last a long time in perfection.

Lucilliae—Bright blue with large, clear white center.

Each, 3c; doz., 30c; 100, \$2.00

Fritillaria Imperialis (Crown Imperials.)

A stately, showy, early blooming plant, bearing large bell-shaped flowers of various shades of red and yellow, should be planted in deep, well enriched soil and not disturbed for years. The Crown Imperial is a very attractive garden flower. **Fine Mixed, Each, 15, doz., \$1.50**

FREESIAS

These popular winter blooming bulbs force readily, coming into bloom early, and by successive plantings will last throughout the season. Their handsome clusters of white flowers have a most delicious fragrance. Plant four to six in 4-inch pot

New Giant Freesia—Purity

A grand new Freesia of giant size and good substance, pure white, a vigorous grower and good keeper. First size bulbs **Doz., 50c; 100, \$3.50**

Refracta Alba—The flowers are pure white with a yellow blotched throat and are exquisitely fragrant.

First size bulbs. Doz., 30c; 100, \$1.50
Extra large bulbs. Doz., 35c; 100, \$2.50

Snowdrops—Galanthus

The first flower to bloom in the spring, producing small but beautiful white blossoms before other outdoor plants are started. Plant about one inch apart in borders, beds or in clumps in the lawn, setting two or three inches deep. They come up from year to year and need not be disturbed until they become crowded. (see cut.)

Snowdrop Elwesi—(Giant Snowdrop), single.
Two for 5c; doz., 25c; 100, \$1.25

Snowdrop—Double.
Each, 3c; doz., 30c; 100, \$2.00

Leucojum (Snow Flake.)

Pretty bulbous plants allied to the Snowdrop, but of much stronger and bolder habit, growing from one to two feet high, in rich soil, and producing freely, beautiful large white flowers distinctly tipped with green, excellent for cutting. When once planted they take care of themselves, and should have a place in all hardy collections; can also be grown in pots.

Leucojum Vernum (Spring Snowflake).

Leucojum Aestivum (the Summer Snowflake).

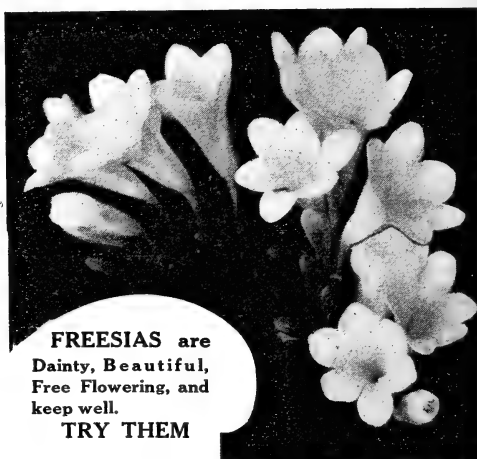
Muscari Botryoides

Grape Hyacinths—Very pretty early spring blooming bulbous plants, succeeding well in almost any soil or situation. White, blue, light blue.

Each, 3c; doz., 25c; 100, \$1.00

"Heavenly Blue"—New Grape Hyacinth of distinctive type and rare coloring, delightfully fragrant, extra large, fine as a cut flower or for massing in border.

Postpaid, per doz., 20c; per 100, \$1.00



FREESIAS are
 Dainty, Beautiful,
 Free Flowering, and
 keep well.

TRY THEM

Ixias

The Ixia is a beautiful little flowering bulb, with low, slender, graceful spikes of bloom. The colors are rich, varied and beautiful. Culture same as Hyacinths.

Named Varieties, Mixed. Each, 4c; doz., 40c;
 100, \$2.00

Fine Mixed Each, 3c; doz., 25c; 100, \$1.25

Muscari Plumosus

Feathered Hyacinths—An odd and interesting variety bearing spikes of beautiful purple flowers; hardy everywhere.

Each, 3c; doz., 25c; 100, \$1.00

PAEONY DAHLIAS

Are best for garden effect. They also have long stems and keep well when cut.

SEE PAGE 25

*Sparaxis*

Sparaxis

A beautiful class of bulbs allied to the *Ixias*, and requiring the same treatment, producing spikes of flowers of the most exquisite and brilliant flowers.

Very fine mixed Each, 3c; doz., 25c; 100, \$1.25

Scillas

Siberica—This is one of the prettiest of early spring blooming bulbs, of dwarf habit, with sprays of exquisite rich blue flowers. Grown in masses in conjunction with *Crocus*, *Chionodoxas* and *Snowdrops*, the effect is charming; fine for forcing.

Each, 3c; doz., 25c; 100, \$1.50

Campanulata—A beautiful spring flowering bulb, producing, before the leaves appear, spikes of bell-shaped flowers in blue, white and pink.

White, blue, or pink.

Each, 4c; doz., 35c; 100, \$2.00

Scilla Nutans—Alba Maxima—Blush Queen—Major, Blue.

Doz., 25c; 100, \$1.50

Triteleia Uniflora

Spring Star Flower—A pretty little bulbous plant for either pot culture or the open border, bearing fragrant star-shaped flowers of a delicate blue-white color.

Each, 3c; doz., 20c; 100, \$1.50

Oxalis

Charming little half-trailing or bushy plants, particularly adapted for pot culture and hanging baskets; the foliage alone is very attractive, and when in flower they are exceedingly pretty.

Fine mixed 2 for 5c; doz., 20c; 100, 75c

Bermuda Buttercup—Bears in profusion, bright, golden yellow flowers all winter. One of the finest winter blooming plants ever introduced for pots, baskets and vases; produces a mass of pretty foliage covered with hundreds of buds and flowers at one time. For forcing, plant the bulbs in light, rich soil and set in a cool place for several days, then remove to a warm, sunny window.

Single Each, 4c; doz., 35c; 100, \$2.00

Grand Duchess—A California variety of great beauty; of dwarf, sturdy growth; free flowering and very desirable. Pink, lavender, white or yellow.

Each, 4c; doz., 35c; 100, \$2.00

Erythronium (Dogstooth Violet)

Dens Canis Grandiflora, Mixed.

Fine hardy plants with charmingly variegated foliage, bearing lily-like blossoms of different colors; prefer moist situation with partial shade; grow well in pots for winter blooming.

Each, 5c; doz., 40c; 100, \$2.50

Eranthis Hyemalis

Winter Aconite—The first flower of the year, often coming before the snow is gone, covering the ground with gilt spangles of flowers as early as February; succeeds in any soil or situation; remains in flower for weeks.

Each, 5c; doz., 25c; 100, \$1.50

Ornithogalum

Arabicum—A beautiful plant for forcing in the house. The leaves are long and narrow, flower spikes about 18 inches high, bearing large clusters of beautiful, pearly-white flowers which have a jet-black center. Plant one bulb in a four-inch pot, same as *Hya-cinths*. Extra choice bulbs.

Each 10c; doz., \$1.00

Umbellatum—Like the above, only pure white. Known as "Star of Bethlehem."

Each, 5c; doz., 40c

Ranunculus

Among dwarf flowers these are unrivaled for lovely form and bright attractive colors, ranging through gorgeous shades of white, crimson, yellow, purple and black, many of them being beautifully marked with other shades. They flower profusely in pots in the house during the winter.

Turban, Mixed—Pacony-formed flowers, large and early, vivid colors and compactly double.

Each, 3c; doz., 25c; 100, \$1.50

Giant French, Mixed—Immense and gorgeous, loosely formed double flowers.

Each, 3c; doz., 25c; 100, \$1.00

Persian, Mixed—Rose-shaped flowers, very double and rich.

Each, 3c; doz., 25c; 100, \$1.00



Lilium Formosum

LILIUM FORMOSUM. The best of the Longiflorums, being early, free flowering and free from disease.

Mammoth bulbs..... Each, 20c; doz., \$2.00.

Large bulbs..... Each, 15c; doz., \$1.50.

Lilium Longiflorum—Giganteum

Of grand size and substance; superior to the Multiflorum, but forces a little later; especially fine for open ground.

Mammoth bulbs..... Each, 20c; doz., \$2.00.

Large bulbs..... Each, 15c; doz., \$1.50.

Tiger Lilies

TIGRINUM SPLENDENS (Improved Single Tiger Lily)—Has very large flowers of excellent form; color orange-salmon, with dark spots; hardy and a free bloomer.

Mammoth bulbs..... Each, 15c; doz., \$1.50.

Large bulbs..... Each, 10c; doz., \$1.00.

LILIES—Japan

AFTER bulbs are set out they should remain undisturbed for five or six years. They will increase in size, beauty and number of flowers, with practically no attention, our coast climate being perfectly suited to their requirements, and once established, they rival the famous product of Japan.

Planted outdoors during the fall or early spring they flower each year from June to October. We have selected the finest types that bloom freely and in the various kinds listed below you will find Lilies suitable for every purpose.

**EASTER
SUNDAY
April 12
1914**

Lilium Auratum

(Golden Banded Lily)

The handsomest and best known of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a gold band fading at its edges into white; very fragrant. They bloom from June to October.

Mammoth bulbs..... Each, 20c; doz., \$2.00.

Large bulbs..... Each, 15c; doz., \$1.50.

AURATUM RUBRO-VITTATUM—Giant flowers

—pure white, beautifully spotted and with deep crimson stripe through center of petal. Truly magnificent.

\$1.00 each, postpaid.

AURATUM PICTUM—Same as Auratum, except gold band shades into bright crimson at margin. A rare and beautiful Lily.

75c each, postpaid.

AURATUM PLATYPHYLLUM—This is without question one of the most wonderful Lilies in cultivation. The leaves are very long and broad, and the stems attain a height varying from seven to ten feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping and of greater substance.

Mammoth bulbs..... Each, 25c; doz., \$2.50

Large bulbs..... Each, 20c; doz., \$2.00

Lilium Candidum

This is the ever popular, fragrant snow white hardy garden Lily. It grows four to five feet high and blooms in the open ground in June. Our stock is imported from the Azores, the finest obtainable; should be planted early.

First size. Each, 20c; doz., \$2.00; 100, \$15.00

Second size. Each, 15c; doz., \$1.50; 100, \$10.00

TIGRINUM FLORE PLENO (Double Tiger Lily)—This is a magnificent lily of stately habit, bearing immense clusters of very large double flowers on tall, strong stems; color bright orange red, spotted with black.

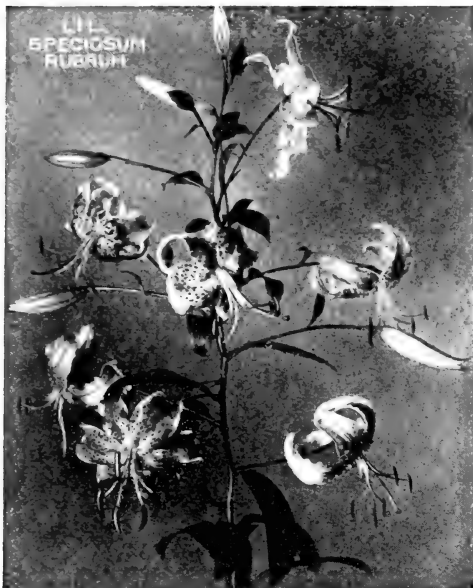
Mammoth bulbs..... Each, 30c; doz., \$3.00.

Large bulbs..... Each, 20c; doz., \$2.00.

Florists' Supplies— We carry a complete line of High Grade Stocks at prices so reasonable that you cannot afford to "go East" for them. Write us your requirements or send in a trial order.

LILIES--Continued**Lilium Speciosum**

No words can overstate the brilliant beauty of this charming class. Its six broad white, or pink petals thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make this one of the most effective and desirable of the Lily family. They are profuse bloomers and last for days after being cut and put in water.



Washingtonianum
(Mt. Hood Lily)

A beautiful Lily, native of Oregon; flower large, of open form, white, tinted with lilac; grows 3 to 5 feet high; very fragrant.

Choice bulbs Each, 25c; doz., \$2.50.

CALLA LILIES**Lily of the Nile**

CALLA AETHIOPICA. Our well known White Calla in its rare and stately beauty has few equals as a pot plant, and nothing is easier to grow. Plant one bulb to 6-inch pot, give an abundance of water, light and heat, and the result will be most satisfactory.

We offer dry roots (from September on), as they are superior for forcing and winter flowering purposes. They come into bloom quickly.

First size bulbs Each, 15c; doz., \$1.50.

Extra size bulbs Each, 20c; doz., \$2.00.

Arum Dracunculus

THE BLACK CALLA—A rare and interesting plant, grows well and flowers freely; always attracts much attention. Arum Dracunculus is the most magnificent of the Black Callas. The flowers are 18 to 24 inches long, of rich deep black with a velvet sheen of darkest purplish red.

Price, Each, 40c; doz., \$4.00; postpaid.

Calla Elliotiana

YELLOW CALLA. The finest of the yellow Callas, growing to perfection under ordinary pot culture. Treat same as White Calla. Flowers are a deep rich golden yellow, 4 to 5 inches in diameter, and last a long time after opening. Foliage is a beautiful deep green, spotted silvery white; a grand novelty. Price, each, 50c; doz., \$5.00.

NEW LILIUM MAGNIFICUM. This new Lily is the most magnificent of the wonderful Speciosum Lilies. It is of the Rubrum variety, closely allied to Speciosum Melpomene, but of much richer color and grander size.

Price, each, 40c; doz., \$4.00.

SPECIOSUM ALBUM—Pure white, flowers freely. Mammoth bulbs Each, 30c; doz., \$3.00. Large bulbs Each, 20c; doz., \$2.00.

SPECIOSUM RUBRUM—White with dark rose spots. Mammoth bulbs Each, 25c; doz., \$2.50. Large bulbs Each, 20c; doz., \$2.00.

SPECIOSUM RUBRUM MELPOMENE—White, shaded rich blood crimson, heavily spotted; very rich and showy.

Mammoth bulbs Each, 25c; doz., \$2.50.

Large bulbs Each, 20c; doz., \$2.00.

LILY OF THE VALLEY**Extra Select Berlin Pips.**

One of the most satisfactory and charming Spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. Valleys thrive in any common soil, are perfectly hardy, and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year, and are most charming in beds or borders around the lawn. For outdoor planting and Winter forcing, pips and clumps are ready November to March.

SELECTED PIPS, for forcing indoors or planting outside. Each, 5c; doz., 40c; 100, \$2.50.

STRONG CLUMPS, for outdoor planting. Each, 30c; doz., \$3.00.

NOTE.—Clumps can only be sent by express or freight at buyer's expense.



Arum Dracunculus

IRIS

M**A****G****N****I****F****I****C****E****N****T** plants for the garden. They bloom profusely and are exceedingly showy and fragrant. The colors are brilliant and cover a wide range of different shades and combinations. In the open ground they are perfectly hardy, increase rapidly and make a magnificent display either in clumps or in borders. They do best in rich moist soils. If soil is light, depress the beds a little below their surroundings; this helps to collect and hold the moisture. Plant in the fall or early spring.

Spanish Iris

Spanish Iris is the most useful and satisfactory Iris to grow, requiring no unusual condition or treatment to insure success, growing to perfection in any good garden soil. They are vigorous and hardy, early and free blooming, keeping well when cut; can also be forced easily, being great favorites with florists.

Spanish Iris comes in the most delicate and beautiful shades and colors, from white, through dainty blues to lavender, dark blue, pure rich yellow, etc. Bulbs are inexpensive and we urge you to plant freely.

Blooms in early June two weeks before the English variety. The varieties listed are best of their colors.

BLANCHE FLEUR—A grand white flower of great substance. The best white for forcing or outdoor culture.

CAJANUS—A magnificent tall golden yellow, free blooming, good keeper; best yellow Iris in cultivation, either to force or grow outside.

COUNT OF NASSAU—The finest dark blue Iris. Has an agreeable honeysuckle perfume.

LOUISE—A beautiful shade of light blue, large, splendid flower.

EMPEROR—A splendid new light yellow of great merit.

DARIUS—A pleasing light blue—earliest of all.

FINEST NAMED VARIETIES.

Each 3c; doz., 30c; 100, \$2.00

MIXED, SELECT, ALL COLORS.

Each, 3c; doz., 20c; 100, \$1.50

German Iris

German Iris is one of the best of the early spring flowers, is hardy everywhere, and if planted in a moist situation or watered freely, will produce magnificent orchid-like blooms of great size and delightful fragrance. Comes in charming color effects in blues, browns, yellows, purples, white.

PALLIDA DALMATICA—Extra large, lovely true lavender, delightful fragrance, free flowering, fine for massing or as a cut flower.

FLORENTINE ALBA—White.

CELESTE—Satin blue.

SPECTABILIS—Violet purple.

SHAKESPEARE—Bronze violet.

MARS—Light yellow and cream.

CHOICE ROOTS Each, 15c; doz., \$1.50; 100, \$10.00.

English Iris (Iris Anglica)

English Iris is almost as large as the Japanese variety and also comes in a marvelous range of colors and variegations, is extremely hardy, growing 18 inches to 28 inches high, coming into bloom just before the Japanese Iris. Like all Iris a moist situation is preferred, but any good soil will grow them splendidly. Plant 3 to 4 inches apart. English Iris is one of the best for naturalizing.

MOUNT BLANC—Largest and finest. Pure white.

Each, 6c; doz., 60c; 100, \$4.00.

ASSORTED COLORS, 10 BEST VARIETIES.

Each, 4c; doz., 40c; 100, \$2.50.

MIXED Each 3c; doz., 30c; 100, \$2.00.



German Iris

Japanese Iris (Iris Kaempferi)

Japan Iris is the largest and most wonderful of the Iris family, no flower of any kind surpassing its rare beauty of form, brilliancy and variety of coloring, ranging from snow-white through maroon, violet and deep blue; striped, variegated, veined and blended in the greatest profusion, producing effects that are truly marvelous and indescribable. Blossoms early summer. Japan Iris succeeds best in a moist location, but will thrive in any good garden soil. Plant three inches deep, about 4 inches apart; divide the clumps every two years. Fertilize established beds while dormant using stable manure, but do not apply after growth starts. There are hundreds of varieties, from which we have selected the following:

GEKKA-NO-NAMI—Dense pure white, yellow blotches.

HO-O-JO—Ruby crimson, primrose blotches, surrounded with white halo.

HANA-NO-NISHIKI—Brilliant claret red, penciled white, purple orange blotches.

SOFU-NO-KOI—White splashed, blotched and speckled sky-blue, primrose blotches.

SHIMOYO-NO-TSUKI—White, yellow blotches at base of petals; 6 large petals.

UJI-NO-HOTARU—Purple overlaid with sky-blue, orange blotches, 3 petals.

YEZO-NISHIKI—Deep rich crimson, mottled and blotched white, 3 standards same color.

YOMO-NO-UMI—Lavender blue; distinct and beautiful: 6 petals.

KUMA-FUNJIN—Purple overlaid with navy blue, 2 standards, very large orange blotches.

KUMOMA-NO-SORA—White, with a strongly marked sky-blue zone and mottled in the same shade.

KUMO-ISHO—Purple, margined gray, yellow blotches, surrounded with velvety crimson.

KUMO-NO-OBI—Dark lavender purple, large handsome flower, 3 petals.

NAMED VARIETIES.

Each, 20c; doz., \$2.00; 100, \$15.00

MIXED, GOOD ASSORTMENT.

Each, 15c; doz., \$1.50; 100, \$10.00.

Tuberous Rooted **BEGONIAS**

FROM their early first blooming until cut down by frost, Tuberous Begonias display a mass of bloom of most gorgeous and brilliant coloring. They are distinct and unique, their giant flowers fully six inches in diameter, in wonderful shades of yellow bronze, white, reds, pinks, etc., with thick waxy petals and grand ornamental foliage, never failing to excite the wonder and admiration of all who see them. There are four types, Single, Double, Frilled and Crested.

CULTURE—The soil should be rich in leaf mould, or well-rotted manure, a little sand being beneficial. Start the bulbs inside in the early Spring, and transplant when danger of frost is past. They should be lifted in the fall before frost, dried and stored in sand in a cool place.

Single Flowering

These are of immense size, erect, flowers of great substance, free blooming and very lasting. Come in eight separate colors, copper, canary, orange, crimson, rose, pink, white and salmon.

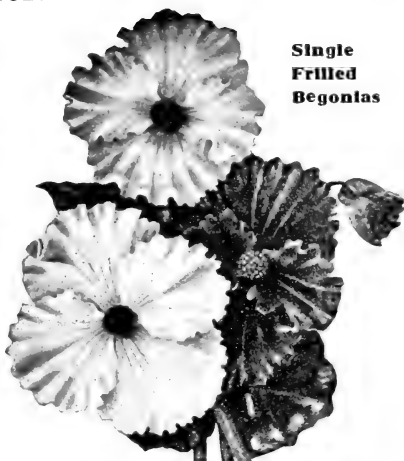
Price, each, 10c; doz., 85c; 100, \$6.00

Double Flowering

Many charming effects are found in the double varieties, they being often as full and beautiful as a rose, some of the white varieties resembling giant carnations. Price, separate colors.

Each, 15c; doz., \$1.50; 100, \$10.00

A good way to start Begonias and Gloxinias is to put the bulbs on a layer of moss in a box or flat and cover with another layer. Keep moist, but not too wet; temperature about 70 degrees; this starts both top and roots, then pot for root development before transplanting out side.



Single
Frilled
Begonias

Our Begonias and Gloxinias come from Ghent, Belgium, where the finest bulbs are grown.

Frilled

Single frilled Begonias differ from the plain singles only in having the heavy frill or fringe on the edges of the petals. They have the same range of color, handsome foliage and free flowering habit. Separate colors.

Each, 20c; doz., \$2.00; 100, \$15.00

Mixed

OUR DIAMOND MIXTURE, containing all of above sorts. Per doz., \$1.50; 100, \$10.00

CANNAS

WE are extensive growers of Cannas, and the following sorts are newer and better types that will give best results in our climate. Cannas require a rich, moist soil and should not be planted until all danger of frost is past. They are quick growers and the new flowering sorts bloom continuously until frost. Inexpensive, these charming, ornamental plants produce rich tropical effects that cannot be excelled, and the grand new varieties offered are equally valuable for the beauty of their bloom. Let us know your requirements. We can supply the correct variety.

Prices: Except where noted, bulbs or plants, in season, each, 20c; dozen, \$2.00, postpaid.

ALICE ROOSEVELT—Deep crimson, compact green foliage; similar and superior to Alphonse Bouvier. Height 4 to 5 feet.

KING HUMBERT—In this grand new orchid-flowered Italian Canna we have a combination of the highest type of flower with the finest bronze foliage. Its mammoth flowers, in heavy trusses, are a brilliant orange-scarlet, with bright red markings, foliage is broad and massive and of a rich coppery bronze with brownish green markings; bold and effective; has no equal; 5 to 6 feet.

MT. BLANC—A compact vigorous grower, producing a massive spike of large, pure white flowers carried well above the glossy green foliage.

FEUERMEER—A magnificent clear bright red, flowers and spikes of large size and freely produced; foliage deep green. Height, about 5 feet. One of the very finest reds.

STUTTGARTIA—The large flowers are a brilliant orange scarlet with bright yellow band and markings. Flower spikes strong and erect above the foliage which is broad leaved, dark green and very luxuriant. Height, 4 to 5 feet.

MRS. ALFRED F. CONARD—Flowers are a superb salmon pink of large size borne very freely and continuously on large erect spikes; very luxuriant green foliage; height about 4 feet.

W. E. COTTRELL—Pink, suffused orange; foliage green, margined brown; 3 ½ feet; fine. Price, each 25c; doz., \$2.50

LOUISIANA—A strong, vigorous grower, producing a dense mass of glossy green foliage and vivid orange-scarlet flowers of mammoth size; Orchid type; height 4 to 5 feet.

ROSEA GIGANTEA—Finest of the new pinks, the rich, deep rose-colored flowers often measuring five inches across are borne in the greatest profusion, nothing finer has ever been offered; foliage green; 4 to 5 feet.

FLORENCE VAUGHAN—We offer a new seedling of this most famous canna that is a distinct improvement in growth, vigor and bloom; the color and markings are about the same only more brilliant and beautiful; a deep, bright yellow mottled and marked with bright red. Green foliage. Height, 4 to 5 feet.

NEW CHICAGO—A brilliant clear scarlet that holds its color; free blooming and a very vigorous full foliaged plant; a most desirable sort. Height 4 to 5 feet.

CARL LUTZ—New. A splendid bright rich yellow of finest form; foliage leathery and luxuriant. A fine, upright grower and profuse bloomer. Height, 3 ½ feet.

DAHLIAS

CACTUS DAHLIAS



IN THE SELECTION OF DAHLIAS only those varieties of known merit should be considered. The great Dahlia Specialists of Europe and America have set a high standard, established by their years of comparative trials and you will have greater satisfaction and better values from their tested varieties which we offer, and which have been officially recognized, than you can possibly obtain from untried varieties of doubtful origin.

OUR TRIALS ARE VERY EXTENSIVE and are conducted by a practical Dahlia expert of wide experience. All tests are made in the field without irrigation and the Dahlias we list represent the "survival of the fittest" the best of the standard varieties and meritorious novelties of the most famous producers, varieties that are recognized the world over. They are true to name, erect bloomers and good keepers.

IT IS IMPORTANT that your Dahlias be recognized varieties and **true to name**. If not, you cannot hope to exhibit them successfully.

1914 NOVELTIES WILL BE SELECTED LATER and appear in our General Catalog, as the blooming season is not advanced enough at this writing to determine their merits. 1914 General Catalog ready in January.

CULTURE

DAHLIAS will grow to perfection in any good garden soil, preferably one that contains a little sand. Plant as soon as the frost is gone and the ground warm, cutting the tuber to a single strong eye, and placing it on its side at a depth of about 6 inches, in ground that has been previously well cultivated. An excellent way to start Dahlias is to sprout the tuber in a green house and set out the rooted plants. These are generally believed to give more and better flowers, but is more trouble than planting the bulbs. Rows should be four feet apart, plants 18 inches to 3 feet apart in the row, depending on whether planted for a hedge or for specimen plants. Cultivate thoroughly until ready to bloom, then deep tillage must cease and only the surface be lightly stirred, as deep cultivation at this time is fatal to blooming. Tall varieties should be staked.

If you use commercial fertilizer, do not apply until the plant starts growth, then work it into the top soil, 5 or 6 inches from the plant. Bone meal is an excellent fertilizer for Dahlias but must be applied early, as it is slow in action. When the plant is well up, say 6 to 10 inches, pinch off the top, leaving 2 or three joints. This will cause it to branch out into a more sturdy, bushy growth. Water freely.

PRICES 15c DAHLIAS 1.50 dozen; 20c Dahlias \$2.00 dozen; 25c Dahlias \$2.50 dozen
35c DAHLIAS \$3.00 dozen; 40c Dahlias \$4.00 dozen; 50c Dahlias \$5.00 dozen

NEW CACTUS DAHLIAS OF SPECIAL MERIT

CARADOC—Cactus—Clear, rich, pure yellow; a fine large flower with incurved petals. Most desirable cactus type; the shapely flowers are gracefully poised on long, strong stems.

Each, 50c.

DR. ROY APPLETON—Cactus—The finest of the straight petal type, of perfect starlike form; color a beautiful light lemon yellow, emerging to light salmon, lighter at tips; plants of good habit with long stems and one of the best for exhibition purposes.

Each, \$1.00.

ERB PRINCESSEN REUSS—A superb shade of blood red crimson self, the best of its color; of finest cactus form; one of the most satisfactory and pleasing reds.

Each, 35c.

FLOSSIE RIDOUT—Cactus—Bright, clear golden yellow, with long, extremely narrow, much incurved petals.

Each, \$1.00.

GELBER PRINZ—Cactus—A grand new yellow of Marechal Neil shade, a color never before obtained in a Dahlia. Flowers are extra large, and graceful form, full centers, carried on large stems and keep better than any other Dahlia, both cut and on the bush.

Each, 60c.

GALATHEA—Cactus—A delicate soft flesh pink of finest form; a flat petaled type listed in the cactus class by the originator. Galathea is pleasing and most desirable addition to its class

Each, 60c.

GONDOLA—Beautiful shade of pink; with bright old-gold penciling; large, with long incurved, twisted petals, lighter at tips; great bloomer.

Each, 35c.

GUNTHER—Pure white with broad twisted petals on stiff stems.

Each, 60c.

INDOMITABLE—Cactus—Long, very narrow petals, perfectly incurved; in color a rosy mauve; a beautiful erect flower on good stems.

Each, 50c.

JOHN PEEL—Cactus—A deep rich crimson with lighter suffusion toward center; a distinctive form of true Cactus type, a splendid keeper, with fine stems.

Each, 75c.

BISMARCK—Cactus—A most intense bright red, petals slightly incurved perfect cactus type, has fine carriage of bloom well above the foliage, is an early and continuous bloomer always covered with flowers, one of the very finest reds.

Each, 50c.

NEW CACTUS DAHLIAS—Continued

MARATHON—Cactus—A brilliant, purplish maroon; a large, full flower with broad twisted left petals—color deeper toward center with light, bright purple shadings on tips and reverse of petals—good stems. **Each, 35c.**

MARGUERITE BOUCHON—Brilliant rose with white center and white tips; very strong stems. A dainty and beautiful flower of large size.

Each, \$1.

MARIE PURRIER—Cactus—Extra large brilliant blood-red flower of fine full form, with slender dainty incurved petals; a free bloomer of fine habit of growth, flowers erect and good keepers; a European dahlia of the greatest merit.

Each, 75c.

THE BRIDE—Cactus—A distinctive novelty and the daintiest, most beautiful dahlia in its class. "The Bride" is a pure glistening milky white of great substance and of full rounded symmetrical form, grows erect, keeps well cut and the golden variegated foliage is very attractive. A vigorous, free bloomer.

Each, 50c.

RHEINKOENIG—Cactus—(King of the Rhine) Dazzling snow-white of magnificent form and largest size; although large the flowers are daintily formed and of splendid substance, carried above the foliage on fine long stems, and are very lasting when cut.

Each, 35c.

MRS. FERDINAND JEFFRIES—Deep velvety garnet red, the long curved and twisted petals forming a magnificent flower of rare grace and beauty; one of the largest dahlias.

Each, 75c.

MRS. WILLIAM H. TAFT—Cactus—Color the lovely pink of La France rose, with lighter center; a large handsome flower with fine petals beautifully incurved. A vigorous free bloomer.

Each, 75c.

PORTOLA—Cactus—An interesting fancy variety color, pale-pink, margined with clear orange bands; very variable; frequently producing self-color flowers, but pretty in either form.

50c.

THE EARL—Cactus—A rich ruby crimson self-color, of large size, with narrow twisted petals interlacing toward the center; an exhibition variety of a distinct type; growth upright and vigorous.

Each, \$1.00.

FINEST CACTUS DAHLIAS

From comparative tests in the field we have selected the following as being the best of their types and color. This list contains many of the new Dahlias as well as the best of the older ones.

Write for Prices by the Hundred.

Red

AUGENWEIDE—Cactus—Translated this means "a feast for the eyes," and truly this beautiful cactus dahlia is all its name implies. Color is bright rose with deep rose center, grows erect on fine stems and is a full shapely flower.

Each, 50c.

BERLICHENGEN—Deep, crimson-carmine; brighter at tips; of the finest form and substance; a true cactus type of rare beauty; very floriferous.

Each, 25c.

BURBANK—Deep rich cardinal red, of finest form and substance, full and free blooming; best of its color.

Each, 25c.

DR. JAMESON—A pleasing dark purplish red, petals rather broad; good, free blooming desirable Dahlia.

Price, each, 25c.

DORNROSCHEN—Unique and remarkable, variable from carmine to brilliant red, to delicate pinks with blush suffusions; a dainty, perfectly formed, fully double flower; long slender petals, beautifully incurved and quilled; large and free blooming; long stems, erect; compact bush.

35c.

DREADNAUGHT—A giant flower, of graceful form, full, with fine claw-shaped petals; color, deep crimson maroon; a good keeper and splendid flower for exhibition, being the finest of its color and class.

Price, each, 35c.

H. W. SILLEM—(Cardinal King)—Rich cardinal red, of perfect form, grand exhibition variety.

Each, 25c.

MATCHLESS—Dark rich crimson.

Each, 20c.

MRS. HENRY WIRTH—Rich geranium red, very free flowering.

Each, 35c.

OTHELLO—A glorious full, large flower of deepest richest crimson, center almost black; finest true cactus form; one of the earliest.

Ea, 35c.

PROGENITOR—Bright carmine; fringed petals, new variety of great beauty.

Each, 20c.

ROLAND VON BERLIN—A fine scarlet of great brilliancy, flowers full and erect; long stems; one of the best.

Each, 15c.

ROTHER—Dark rich crimson, very early and free flowering, of vigorous erect habit; bush rather dwarf; flowers of the largest size; perfect cactus type.

Each, 15c.

SIGNAL—Brilliant crimson scarlet; height 24 inches; flowers large, of fine form; free blooming.

Each, 25c.

UNCLE TOM—Dark maroon, medium size; quite free.

Each, 15c.

VULCAN—A brilliant fiery vermillion, or orange scarlet, a veritable "hedge of fire," one of the most profuse bloomers, rivalling the Countess of Lonsdale. Vulcan is the ideal hedge Dahlia.

Each, 25c.

Lavender

MAUVE QUEEN—A beautiful true lavender with lighter center, full flower with finely quilled petals beautifully formed, incurved.

Each, 35c.

Pink

BRITANNIA—Beautiful salmon-pink.

Each, 25c.

COUNTESS OF LONSDALE—Rich, rosy-salmon, very floriferous; one of the best.

Each, 25c.

GWENDOLINE TUCKER—Cactus—A dainty rose color with lighter center, a finely formed, full flower, petals incurved, carried on long, strong stems. An exhibition variety.

Each, 50c.

HELENE—Delicate, clear pink, with rich creamy center, a beautiful flower on very long stems and the greatest bloomer of all.

Each, 15c.

KRIEMHILDE—Blush-pink; a prize winner; one of the finest new Dahlias.

Each, 20c.

MRS. CHAS. FOSTER—Cactus—A beautiful lilac rose with deeper center; full well formed true cactus type with long graceful petals. A splendid grower and good bloomer.

Each, 50c.

PINK PEARL—Deep rich pink; fine form.

Each, 25c.

RUTH FORBES—A pleasing rosy mauve of the broad petaled cactus type; has good stems and makes a fine cut flower.

Each, 35c.

SABA—Bright true pink; a finely formed flower, petals rather broad.

Each, 25c.

TRAUTLEIB—Cactus—The dainty coloring of the large, twisted petals, shading from delicate rose with lavender suffusion, to an almost white center make Trautleib a most pleasing and desirable dahlia; a free and constant bloomer.

Each 50c

UNDINE—Lovely light lavender pink of dainty form; a free bloomer.

Each, 25c.

CACTUS DAHLIAS—Continued**White**

- FAIRY**—Beautiful clear white, narrow petals, fine form; one of the best; try it. **Each, 25c.**
- LAWINE**—Fine large white, faint bluish tint, erect, free-flowering; extra good. **Each, 35c.**
- SCHWAN**—The giant blooms of a pure glistening white with their narrow, twisted petals have a beauty and elegance not surpassed by any other variety. Blooms early. **Each, 25c.**
- WEISSE DAME**—A valuable new white of splendid form; large, full, petals curved and twisted. **Each, 25c.**

Yellow and Shaded

- CAPSTAN**—Orange-scarlet and apricot; one of the finest for cut flowers; dwarf-habit, free-bloomer, large perfect flowers. **Each, 15c.**
- DESDEMONA**—An exquisitely beautiful, daintily formed flower. The central shade is a lovely creamy canary shading to white at the ends of the slender, incurved petals; flowers very full, erect, borne on long stems. **Each, 50c.**
- GENOVEVA**—An elegant distinctive flower of a pale canary yellow, with a beautiful faint greenish tinge suffusing the entire flower, which is large, with well filled incurving petals. **Ea., 35c.**
- GOLD REGEN**—True cactus type, twisted petals, deep bright yellow; long stiff stems; a splendid flower. **Each, 40c.**
- LILY SEISMAYER**—A rare shade of deep orange buff, with rich light yellow center; a very unusual and beautiful combination. **Each, 25c.**
- MASTER CARL**—Bright amber, of giant size and perfect form, immense petals, gracefully curved; free-blooming, distinctive. **Each, 35c.**

- MISS DOROTHY OLIVER**—Pale primrose yellow; long narrow petals; fine form. **Each, 35c.**
- MODELL**—A beautiful clear waxy yellow, with a delicate plum bluish sheen over tips of petals; a dainty, lovely flower of large size, perfect form, petals incurving, erect on long stems; one of the best bloomers and most vigorous growers. **Each, 50c.**

- PRINCE OF YELLOWS**—Splendid lemon-yellow, free-blooming, finely formed. **Each, 20c.**
- STERN**—Odd and beautiful; star shaped; pure lemon-yellow flower; best yellow. **Each, 25c.**
- VATER RHEIN**—Cactus—Handsome flowers, color a rich yellow suffused with salmon red, vigorous and free flowering. **Each, 50c.**

Variegated and Shaded

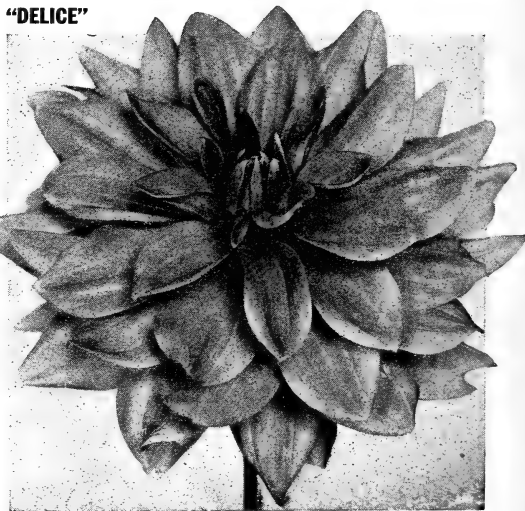
- COMET**—Extra large, silvery rose, marked crimson, a very free bloomer, of good habit. **Each, 25c.**
- EFFECTIVE**—Chamois rose, yellow shadings. **Each, 25c.**
- ELSE**—Cactus—Salmon-pink, slightly suffused yellow. Blooms very freely. A most beautiful shade. **Each, 25c.**
- HARMONIE**—A fine full flower, chamois yellow center, outer petals a soft salmon red with lighter tips. **Each, 25c.**
- RELIABLE**—A blending of yellow, brick-red and salmon; truly a grand flower. **Each, 25c.**
- SECRETAIRE FULD**—Cactus—Salmon and buff striped and mottled in a beautiful manner. Large size and a most desirable new free blooming Dahlia.
- WODAN**—Cactus—Magnificent flowers of largest size and pleasing form, color orange rose shading to old gold center, very vigorous. **Each, 50c.**

Decorative Dahlias**A Magnificent Collection of the Best of this Superb Type**

- PRINCESS JULIANA**—Originating in Holland, received a special award of merit at the Royal Horticultural Society's show in London, and is the most beautiful and useful white Dahlia; flowers are pure white, of perfect form; foliage is rich dark green. A splendid grower and profuse bloomer, the magnificent flowers carried on long, strong stems, will keep for days when cut.

Plants, or tubers, each, 75c.

- KAISERIN AUGUSTA VICTORIA**—Magnificent white flowers, of immense size and perfect form, borne erect on long stems. **Each, 35c.**
- LAVENDER QUEEN**—Clear, soft lavender; petals deeply serrated. **Each, 15c.**
- LE GRAND MANITOU**—(Decorative)—Immense perfect flowers, color a white ground splashed and striped with deep violet red; the finest variegated Dahlia in the decorative class. **Each, 35c.**
- MANITOU**—Deep amber, shaded bronze; often 7 inches in diameter. **Each, 25c.**
- MISS FRANCIS FELL**—Silvery white, faint lilac shading on outer petals; strong, erect grower.
- MME. A. LUMIERE**—Pure white with violet red points, good. **Each, 25c.**
- MRS. WINTERS**—Snow white, large beautiful form. **Each, 20c.**
- NAVAJO**—Rich, velvety red; splendid sort. **Each, 15c.**
- ORANGE KING**—Deep brilliant orange scarlet of finest form, full blooming. **Each, 15c.**
- SOUVENIR DE GUSTAVE DOAZON**—The largest Dahlia to date; often growing 9 inches in diameter; constant bloomer, magnificent rich scarlet color; the greatest of all Dahlias. **Each, 25c.**
- SYLVIA**—Splendid pink; floriferous; keeps well. A good dry weather Dahlia. **Each, 15c.**

"DELICE"

- DELICE**—(Decorative)—Lovely shade of pink, broad petaled flowers with large stiff stems, very floriferous. A fine, lasting cut flower. **Each, 35c.**
- GAIETY**—A superb new decorative, vivid scarlet, heavily marked with pure white; stems are long and flowers are produced freely; excellent for cut flowers. **Each, 35c.**
- JEANNE CHARMET**—A beautiful lilac pink; each petal edged with white; flowers are very large and stems exceptionally long; very fine. Height, 4 feet. **Each, 25c.**

Paeony Flowered Dahlias

ORIGINATING in Holland, the Paeony flowered Dahlias have become a great specialty with these famous growers, and the marvelous beauty and magnificence of the new types and varieties fully justify their claims to distinction as the most satisfactory garden Dahlia.

The rare new shades, brilliant coloring, velvety finish and glistening sheen of their petals, their giant size, yet most graceful and pleasing forms are unexcelled by any class of flowers. Too much can not be said in their praise and our splendid assortment of latest European novelties have surpassed out greatest expectations. All have received special certificates of merit at the Amsterdam and Haarlem Shows, and we urge you to make at least a trial planting.

The blossoms are semi-double, of enormous size and the coloring is most brilliant and beautiful. They come in several pleasing forms generally with 3 to 5 rows of petals, which are long and broad, sometimes being beautifully curled and twisted.

Paeony Dahlias bloom more freely than any other class and are very vigorous, growing to a height of 5 to 6 feet, with their flowers on long stems above the foliage.

The three new "Hortulanus" varieties are superb, giant, graceful flowers that approach the decorative type in form and regularity, but are listed in the Paeony Class.

The following list includes the most popular sorts and best of the recent introductions.

HORTULANUS BUDDE—Opens a clear, bright crimson changing to lovely rich old rose, shading to delicate fawn at tips and margins of the broad, velvety petals. A grand, giant flower, well poised on long strong stems. Special award of merit. **Each, \$1.50.**

HORTULANUS FIET—Bright salmon rose on old gold and orange, lighter toward tips. A magnificent flower of the same general type as Hortulanus Budde. First-class certificate. **Each, \$2.00.**

HORTULANUS WITTE—A wonderful giant white of great beauty, the broad, graceful petals are of good substance and of a glistening pearly, white with fine large stems. Similar in form and size to other Hortulanus varieties. First-class certificate. **Each, \$1.50.**

JAN OLIESLAGERS—A grand, new clear deep yellow of fine Paeony form. Flowers of good substance, brilliant finish, erect on long stems. **Each, \$1.00.**

LA HOLLANDE—Dainty light rose with golden suffusion that deepens toward the center. A large and beautiful flower, good stems. Certificate of merit. **Each, \$1.50.**

MADAM VON BYSTEIN—A magnificent lilac lavender, changing to light blue. A dainty, fluffy flower of large size and lovely form; good stems. **Each, \$1.50.**

SHERLOCK HOLMES—A pure, lovely lavender self-color entirely free from purple or reddish tints; large, full, gracefully poised flower on extra good stems. One of the most pleasing and distinctive new Dahlias. **Each, \$1.50.**

AMERICA—A glowing old rose overlaid with a rich shade of old gold. A shapely, full flower of 7 to 9 inches in diameter, with broad, gracefully twisted petals; flowers erect on long, strong stems. A magnificent and distinctive flower well worthy of the name "AMERICA." First-class certificate Amsterdam, 1912, and Harlem 1912. **Each, \$2.00.**

A. SCHUTTEVAER—White ground with lilac suffusion. A rare and beautiful flower of large size and finest paeony form; erect, good stems. **Each, \$0c.**

PHILADELPHIA



DR. PEARY—Brilliant, dark, velvety garnet red of magnificent form, the large twisted petals producing a brilliant flower of great beauty. The small deep golden center enhancing the brilliancy of the pure self-colored petals. One of the most pleasing of the newer Paeony Dahlias. Flowers well poised on strong stems. **Each, \$1.00.**

GLORY OF NYKERK—Dark, violet red, overlaid with blackish crimson. A brilliant and attractive flower of large size and finest Paeony type; good stems, beautiful and distinct foliage. **Each, \$1.00.**

H. J. LOVINK—Dainty shade of lilac on white ground shading to clear yellow center. A large and pleasing flower. **Each, 75c.**

ZEPPELIN—A rich, bright lavender of the largest size, well poised on big strong stems. A truly magnificent flower of great beauty. Award of merit. **Each, \$1.50.**

GREAT BRITAIN—A magnificent, full petalled flower; color a pleasing light mauve with dark markings towards center. Of the largest size and most graceful Paeony type. First-class certificate Amsterdam Sept. 1912; Harlem Sept. 1912. **Each, \$2.00.**

LA FRANCE—The immense flowers resemble in form a large double Paeony; color is a brilliant rose pink similar to that of the La France rose; free flowering. **Each, 50c.**

MRS. FLEERS—A beautiful combination of red shaded rose; large, graceful and attractive flower. Awarded first-class certificate. **Each, \$1.50.**

PAEONY FLOWERED DAHLIAS—Continued

ANDREW CARNEGIE—Salmon pink, shaded bronze, center very prominent and rounded; petals are somewhat flat, making it a distinct shape. Height, 4 feet. **Each, 50c.**

BERTHA VON SUTTNER—Salmon pink, shaded yellow, erect, elegant form. Height 4½ feet. **Each, 60c.**

CAESAR—New. This is the finest yellow of the Paecony section, a magnificent semi-double, clear bright yellow, flower of perfect form, borne erect on long stems; a vigorous grower and free bloomer. Height, 4 feet. **Each, 50c.**

DR. K. W. VAN GHORKOM—White shaded rose. Flowers large and free blooming. **Each, 50c.**

GEISHA—Geisha has a rich, bright golden yellow ground color near center; suffused and heavily marked with clear, bright red, shading toward points of petals into the clear yellow of the ground color; a beautiful deep golden center adds to the harmony of the color scheme which is the most striking and brilliant ever seen in a Dahlia. The immense flowers often attain a width of 10 to 12 inches, and the massive petals are twisted and curled in the most fantastic manner. **Each, 50c.**

GERMANIA—A rich, dark, velvety wine color color with suffusion of golden-yellow toward the edges of petals. Germania is free from the purplish tint that spoils other reds. **Plants or tubers. Each, 35c.**

GIANT EDELWEISS—This new type of Dahlia has true cactus petals of enormous length, curving inward at the tips; color a pure glistening velvety white, of great substance; the center is a brilliant golden yellow, a perfect duplicate of the famous Edelweiss of the Alps, on a gigantic scale, hence its name. Flowers are erect above foliage on long stems, a vigorous bloomer, 5 feet. **Each, 50c.**

GLORY OF GROENEKAN—Extra large flowers of finest form. Color a splendid golden orange. Strong grower; free-flowering. **Plants or tubers. Each, 35c.**

HUGO DE VRIES—Brownish orange, open form. Height 3 feet. **Each, 50c.**

KING LEOPOLD—Cream yellow shading to white. Large long stems, good. Height 5 feet. **Each, 35c.**

LA RIANTE—Deep pink flowers, long stems, good keepers, distinct garden variety of great value. **Each, 35c.**

MANNEHEIM—Soft orange, with golden suffusion fine form. Height 6 feet. **Each, 50c.**

PHILADELPHIA—In form this is a semi-double cactus of giant size; color, rich reddish-purple with brighter shadings, suffused and marked with white; very free flowering and gay. **Each, 35c.**

P. W. JANSSEN—A magnificent Dahlia of splendid form and distinctive coloring, being a lovely shade of old rose, marked and suffused with deep, rich golden-yellow, a rare and beautiful combination. Extra fine. **Each, 35c, postpaid.**

QUEEN EMMA—A bright pink with darker pink penciling and narrow yellow shading in center of petals. **Each, 35c.**

QUEEN WILHELMINA—Large, pure white, central petals beautifully twisted and curled; very vigorous and free flowering; one of the finest garden Dahlias. **Plants or tubers. Each, 35c.**

RHEINGAU—Large pointed petals, dark brilliant scarlet; immense size. A fitting companion to Giant Edelweiss, being of the same general type. **Each, 50c.**

SNOW QUEEN—A fine, pure white, well filled flower, of pleasing form, free blooming, good stems. Height, 4 feet. **Each, 35c.**

Show Dahlias

The show or "quilled" Dahlia is the popular old fashioned type and has been so improved that many of our most magnificent flowers belong in this class.

A. D. LIVONI—This grand old variety still remains the best pink of its type. **Each, 15c.**

DIADEM—Brilliant rich crimson of fine full form, free blooming, has good stems. **Each, 25c.**

DREER'S WHITE—A magnificent white of largest size and great purity, long stems. The best of its color. **Each, 35c.**

FRANK SMITH—Very dark rich red with light tips, variable; a fine full flower, good grower. **Each, 15c.**

GRAND DUKE ALEXIS—A giant glistening clear white flower with the daintiest of lavender flakes or markings near center. Nothing surpassing this magnificent dahlia has ever been produced. **Each, 25c.**

JOHN BENNETT—Yellow deeply edged scarlet; a very free bloomer and a desirable color. **Each, 25c.**

THOS. PENDRED—Finest and largest of the pure yellows, a rich soft shade of golden yellow, perfect form, blooms freely and continuously, even in dryest weather. **Each, 25c.**

MRS. ROOSEVELT—A beautiful, delicate pink, of immense size, fine stems, perfect form, large and double, superb. **Each, 35c.**

NORMA—Pure old gold with delicate plum suffusion that adds to its brilliancy; a full, well formed flower on good stems. **Each, 25c.**

W. W. RAWSON—Pure white overlaid with amethyst blue. Petals are quilled toward center but more open at outer part. The massive flowers often measure 7 inches in diameter; borne on stiff erect stems. **Each, 50c.**

LUCY FAWCETT—Light canary yellow, with penciling of clear magenta. Large and very free. **Each, 20c.**

Dwarf MIGNON Dahlias

NEW "MIGNON" DAHLIAS—A new Dwarf Type of Single flowered Dahlias growing to a height of about 14 inches. Plants are bushy and symmetrical and produce in the greatest profusion brilliant large flowers of fine substance, borne on long stiff stems high above the foliage. They make a grand garden display and are long keepers when cut. Mignon Dahlias originated in Holland and were awarded 5 first-class certificates and 5 awards of merit at Amsterdam. We offer in four colors: **Brilliant Orange, Velvety Crimson, Yellow and Violet.**

Price, each, 20c; doz., \$2.00

Pom Pon Dahlias

These are pretty little globe shaped flowers on long stems, high above the dwarf foliage, fine for border, keep well when cut.

BESSIE—Creamy white, finely quilled. **Each, 15c.**

CATHERINE—Purest yellow; large. **Each, 20c.**

DARKEST OF ALL—Darkest pom-pom; perfect flowers. **Each, 20c.**

LITTLE HERMAN—Deep carmine, shaded garnet; tipped white. **Each, 20c.**

NERISSA—Soft pink, silvery tint; a beautiful new color. **Each, 20c.**

WHITE ASTER—("Guiding Star"). A dainty, graceful, pure white flower with tips of petals cleft, giving a fringed effect. **Each, 20c.**

PAEONY MOUTANJapanese
Tree
Paeony

Paeonies

THE development and increase in popularity of the Paeony has been unparalleled among flowers, and the profusion and duration of bloom, combined with handsome, massive foliage, accommodating habit, and easy culture, render them one of the most popular, hardy plants grown for lawn and garden decoration.

Paeonies are always free from disease and insects do not bother them. They are hardy, thrifty growers, bloom freely, and nothing will add more to the beauty and attractiveness of a lawn.

Paeony Moutan (Tree Paeony.)

Grows about four feet high forming a small, tree-shaped shrub. When this plant becomes well established and is covered with dozens of massive blooms, it presents a magnificent display. We have **Crimson, Pink, Scarlet, Rose and Variegated.**

STRONG IMPORTED ROOTS, from January to May, by express at buyers' expense (too heavy to mail). **Each, 75c**

PAEONIES—Double Herbaceous

FESTIVA MAXIMA—This superb variety is easily the most popular and valuable Paeony. Its flowers, of rare beauty and great size, are perfectly double, pure white, tipped or flaked with a small crimson spot at center; petals fine as summer silk; finest white in cultivation; strong roots. **Each, 75c**

Large specimen plants, \$2.00

OFFICINALIS RUBRA—Flowers of a bright scarlet crimson; quite double and globular; very early, rare and fine. **Each, 30c**

OFFICINALIS ALBA—Blooms with Officinalis Rubra; flowers large and handsome. When Alba first opens it is light pink, fading to white as flowers get older. **Each, 30c**

MAD. DE VERNEVILLE—Broad outside petals, sulphur white, with center rosy white, sometimes edged carmine, and beautifully imbricated; an exceptionally fine full flower, with the sweet fragrance of the rose. One of the earliest. **Each, 50c**

OFFICINALIS ROSEA—Beautiful bright pink globular flowers, blooms with Officinalis Alba and Rubra. These splendid early bloomers produce fine flowers for Decoration Day. **Each, 30c**

SOUVENIR DE L'EXPOSITION—Large full flower of a lovely light cherry red. **Each, 60c**

COURONNE D'OR—A superb white flower of immense size, reflects yellow, center petals bordered carmine, a perfect flower of great beauty, very fragrant, free blooming and vigorous; late. **Each, 75c**

JEANNE D'ARC—Soft pink, sulphur-white and rose; center spotted carmine; moderately strong grower, but a sure and very free bloomer. The most popular of the tri-colored sorts. **Each, 75c.**

MAD. BREON—A beautiful variety with good growing qualities; flowers outside flesh, center lemon; occasionally carmine tipped when first open; entire flower gradually changing to pure white. **Each, 60c.**

DELACHEI—Large full flower of a deep rich crimson, purplish tone; a free blooming thrifty grower, very fragrant; medium to late. **Each, 35c**

DELICATISSIMA—Light rosy apricot, sometimes margined carmine red. **Each, 40c.**

POTTSI-ROSEA—Rich deep rose, lighter center. **Each, 40c.**

FRAGRANS—Late; color deep rose; fragrant and a very prolific bloomer; tall grower. **Each, 40c.**

QUEENS PERFECTION—One of the finest of the creamy flesh whites, large, full and attractive. **Each, 75c**

Eremurus

HIMALAICUS—A rare and noble bulbous plant from the Himalayan Mountains, grow 4 to 8 feet high, bearing racemes 2 feet long, of lovely pure white flowers as large as a half dollar. Plant about 8 inches deep and protect the young shoots which start early, a few inches of leaves or some light mulching will keep frost from injuring the tips. **Price, strong flowering roots, \$1.00 each; doz., \$9.00**



Our Japanese Paeonies, Palms, Iris and Ornamental Plants—due in early December—make appropriate gifts for the holidays, at modest prices.

GLADIOLI

THE newer types are of immense size and exquisite coloring, their grace and attractiveness, ease of cultivation and freedom of bloom are making them universal favorites. They come at a season when there are few other flowers and everyone should grow them.

CULTURE—Gladioli may be planted as early as the ground can be worked or as late as June. A sunny situation is preferred. Plant to a depth of 3 to 6 inches, depending on the size of the bulb. Largest bulbs are not always best, as some varieties do not produce large bulbs. Any garden soil will give satisfactory results, but if well enriched, cultivated and freely watered when buds first show. Gladioli will amply repay you for this additional care. If cut when the first bud opens and put in water, the flowers will open perfectly, keep for many days, and the coloring is richer, and more delicate than if left to open on the plant

New-NIAGARA

A Splendid Novelty for 1913

A grand new Gladiolus of the "America" type, the color being a lovely deep cream shading to canary yellow on the two lower inside petals. The giant flowers measure four and a half inches across and are carried on a large, erect spike. They open freely and contrast beautifully with the broad, dark green foliage.

"NIAGARA" is the finest yellow and won certificates of merit from the Massachusetts Horticultural Society, Boston, and the Dutch Bulb Society of Haarlem, Holland. Also won the open class award of the American Gladiolus Society for the best yellow. We offer choice bulbs in limited supply for introduction

Each, 40c; per doz. \$4.25

New Giant Ruffled Gladiolus

A distinctive type of genuine merit

"GLORY"—Color a delicate cream pink tint with an attractive crimson stripe in the center of each lower petal. The shade is new and the flower is indeed a glorious beauty.

Ruffled Gladioli have broad, expanded flowers, paired and faced the same way, borne on strong stalks, 3 ¼ feet high, from 4 to 8 flowers open at the same time, petals are exquisitely ruffled and fluted, giving the flower a refined, graceful appearance.

Price, each, 25c; doz., \$3.00.

12 Rare and Beautiful New Gladioli

SPECIAL—Entire Collection 12 Bulbs, \$1.85, postpaid.

AMERICA—Exquisite shade of flesh pink tinted lavender. A grand giant flower, hardy and free blooming.

Each 10c; doz., \$1.00; C, \$5.00.

CONTRAST—Intense scarlet with pure white center; one of the grandest, most attractive new flowers.

Price, each, 40c; doz., \$4.25

PRINCEPS—Giant flowers of richest, most brilliant crimson, with fine white blotch on lower petal; the most striking and beautiful of the newer Gladioli; a great favorite with florists.

Price, each, 20c; doz., \$2.00

DAWN—An elegant rose-colored flower with large, clear white center, a most beautiful new Gladiolus.

Price, each, 20c; doz., \$2.00

WILD ROSE—Bright rose or blush tint, of rare beauty; large, free-flowering; forces well.

Price, each, 20c; doz., \$2.00

BARON HULOT—The only true blue Gladioli; a dark indigo shade; very popular.

Price, each, 15c; doz., \$1.50

BLANCHE—A splendid large white flower with but faint markings. One of the best.

Price, each, 25c; doz., \$3.00

HARLEQUIN—White-striped and suffused with rich dark crimson.

Price, each, 25c; doz., \$2.50

CANARY BIRD—A pleasing bright yellow.

Price, each, 10c; doz., \$1.00

MRS. FRANCES KING—A pleasing light scarlet; fine for forcing.

Price, each, 10c; doz., \$1.00

NUMBER 97—New. An unnamed seedling of a pure glistening white with small carmine mark; flowers are of fine form on strong, straight spikes.

Price, each, 15c; doz., \$1.50

GOLDEN QUEEN—New. Bright cream, with clear cut diamond blotch of carmine; does not fade; a wide open flower of fine quality.

Price, each, 15c; doz., \$1.50

Our 1914 Gladioli offerings will include the new Ruffled Orchid Flowered types and the rare new European Novelty—See 1914 General Catalog.

GLADIOLI—Continued**Select Named Gladioli, Best of Their Color****SPECIAL—Collection of 8 Varieties, 70c Postpaid****MAY**—Lovely pure white flowers of finest form, with edges flaked crimson.**Price, each, 10c; doz., \$1.00****MME. MONERET**—Grand spikes of large delicate rose flowers, with deeper shadings; A fine cut flower.**Price, each, 10c; doz., \$1.00****AUGUSTA**—Lovely pure white; blue anthers.**Price, each, 10c; doz., \$1.00****ATTRACTION**—Deep crimson, white center.**Price, each, 10c; doz., \$1.00****I. S. HENDRICKSON**—Large, beautiful flowers, mottled, white and pink; variable.**Price, each, 15c; doz., \$1.50****BRENCHLEYENSIS**—Rich vermillion, shading to scarlet.**Price, each, 10c; doz., \$1.00****KLONDYKE**—Light yellow, crimson maroon blotch.**Price, each, 10c; doz., \$1.00****SUPERB**—Enormous pink, flaked and striped salmon.**Price, each, 10c; doz., \$1.00****Mixed Gladioli****DIAMOND MIXTURE**—Select named varieties with choicest Childs Hybrid.**Doz., \$1.00; 100, \$5.00****GLADIOLI CHILDSI**—Of grand size and color, very showy, containing a large per cent of red and dark shades.**Doz., 75c; 100, \$4.00****GLADIOLI, FINE MIXED**—This mixture will produce a large variety of fine flowers unequalled for the price.**Doz., 50c; 100, \$3.00****GLADIOLI, GROFF'S HYBRIDS**—A mixture of Hybrids of all sorts, giving in one bed the greatest range of colors and variations.**Doz., 50c; 100, \$4.00****GLADIOLI LEMOINEI**—Mostly light shades, odd and fantastic markings. Brilliant and showy.**Doz., 50; 100, \$3.00****Perennial Phlox**

HARDY as an oak, increasing in beauty each year, few things are as beautiful and satisfactory. The marvelous new colors, beautiful foliage and easy culture, make this choice flower one of the most desirable. We offer the following fine collection, which we have grown.

Price, each, 15c; doz., \$1.50.**R. P. STRUTHERS**—Tall, rosy carmine with claret-red eye; fine.**EUGENE DANZANVILLIER**—Tall, lilac, shading white towards the edges; large white center.**MRS. JENKINS**—Tall; the best tall early white for massing.**VESUVIUS**—Medium; one of the new seedlings; pure red with bright purple eye; a dazzling color.**SUNSHINE**—Dwarf; large, aniline-red with crimson-red eye and light halo.**GEO. A. STROHLEIN**—Medium bright scarlet with crimson red eye; does not bleach.**CARAN D'ACHE**—Medium; geranium-red with old rose shadings and white eye; very effective.**MME. PAUL DUTRIE**—Tall; a delicate lilac rose, reminding one of the beautiful soft pink Orchids.**ANTONIN MERCIÉ**—Medium; light ground color; upper half of each petal deeply suffused bluish-lilac, large white halo.**SELMA**—Tall; large flower; pale rose mauve with claret eye.**VON LASSBURG**—Medium; the purest white in cultivation, individual flowers larger than any other white.**CONSUL H. FROST**—Medium; pure red with bright French-purple eye.**Mastodon Pansies**

From March until June we offer our famous "Mastodon" Pansy plants in full bloom—none finer in the world. Put up one dozen in a basket.

Price, 60c to \$1.00 per basket by express, buyer to pay charges. You will not be disappointed in these.

Giant Pansies

NEW GIANT PANSIES—Our Giant Plants are in a class of their own and can not be compared to any other Giant Pansies, no matter where grown. We know that their equal is not produced in this or any other country. A trial basket will convince you. They are the best value ever offered in a bedding plant.

Each, 5c; per dozen, 50c; by mail, 75c dozen.**MASTODON PANSY SEED**

We offer a limited amount of this hand selected seed, **DIAMOND MIXED**.

Per pkt., 25 cents.**Large Trade pkt., \$100**

Annual and Perennial Bedding and Pot Plants

WE offer a select list of Bedding and House plants, beautiful and useful varieties that are easily grown. Fine, large, well rooted specimens that can be safely packed and promptly delivered in perfect condition. If you contemplate large plantings or special effects let us know your plans and requirements. We can supply in any quantity for any planting purpose at lowest prices.

Hardy Perennial Garden Plants

Once planted require but little care and bloom with increasing beauty each year. Plants marked 15c. are \$1.50 doz.; 20c. \$2.00 doz.; 25c. \$2.50 doz.

Add 5c each for postage



SHASTA DAISY, Alaska—This new "Shasta" is covered with immense fluffy white blooms, with golden eyes, from July until late fall; long stems; fine for cutting; one of our best hardy border plants. **20c. each.**

DORONICUM—Early spring flowering Marguerite-like yellow flowers. Fine border plant. **20c. each.**

CANTERBURY BELLS—Pink, white, blue, large clumps. **Each, 20c; doz. \$2.00.**

ENGLISH PRIMROSES—Finest sorts, from pure yellow to deepest crimson-maroon; early, low-growing, fragrant. **20c. each.**

GAILLARDIA GRANDIFLORA—Splendid large flowers; combination coloring of yellow, brown, crimson, orange; height 2 feet; bloom until frost; fine for cut flowers; hardy everywhere. **20c. each.**

HELIANTHUS SPARSIFOLIA—Superb new single sunflower of striking beauty; blooms late in the season. A real gem among hardy plants. We especially urge you to give this a trial. **20c. each.**

HOLLYHOCKS, New Double—Red, yellow, pink white. **15c. each, 4 for 50c; large clumps, each, 25c; doz., \$2.00.**

PLUMBAGO LAIPENTEA—Fine edging plant growing four inches high and covered all summer with sky blue flowers. **15c. each, \$1.50 per dozen**

POPPY ORIENTAL—Immense rich orange scarlet flowers. **20c. each.**

RUDBECKIA, Golden Glow—Bears in greatest profusion immense, double blooms, large as Dahlias, of the brightest, golden yellow; hardy everywhere. **15c. each.**

RUDBECKIA NEWMANI—(Black-eyed Susan)—Golden yellow ray petals around a dark center. Fine cut flowers. **15c. each.**

DELPHINIUM BELLADONNA—(Larkspur)—Grand garden plants; light blue flowers. **25c. each.**

ANEMONE JAPONICA—Beautiful fall blooming plants. Pink or white. **20c; 2 sorts 35c.**

ANCHUSIA ITALICA—Tall growing hardy plant, with pretty blue flowers in large racemes. **20c. each.**

ARABIS ALPINA (Rock Cress) Low growing, fine for bordering. Covered in spring with white blossoms. **15c. each; \$1.50 per dozen.**

CAMPANULA—New Double White—A dainty and beautiful flower, 2 to 2 1/2 feet high, bearing spikes of large snow white, prettily formed, fully double blossoms. Pinch off the old flowers and the plant will bloom continuously. One of the best border or bedding plants ever offered. **25c. each.**

COREOPSIS, Golden Sunbeams—Beautiful golden-yellow flowers on long stems; always in bloom; fine for cutting. **15c. each.**

Water Lilies

THESE beautiful and interesting plants can be easily grown in tubs made by cutting a barrel in half and setting one or both halves deep in the ground, to within a few inches of the top. Put in good loam soil, with one-third old manure, or better still is the soil from a swamp or lowland, using one-third of old, well-rotted manure; cover soil with a layer of sand one to two inches deep, allowing for a depth of six inches of water.

Water Lilies like a mild temperature, and still water, and will not succeed where a fountain is playing or where there is a strong or cold inflow.

NYMPHAE—Hardy white.

Single roots, 35c, postpaid

Large roots, 75c to \$1.50, prepaid

NYMPHAE—Hardy yellow; fragrant.

Single roots, 50c, prepaid

Large roots, \$1.50, prepaid

Parrots Feathers

Produces long trailing sprays of lovely green, finely cut foliage set in symmetrical whorls; plant in a water tight vase or hanging basket, keeping water standing over the surface. A beautiful, thrifty growing, hardy plant. Try it. **Good roots, each 25c; doz., \$2.50.**



GERANIUMS

THE popular demand for Geraniums has encouraged us to provide an ideal collection of superb new varieties which we know will be appreciated by our customers. To repeat the words of a famous grower, "We believe in Geraniums." They grow beautifully throughout the year, making cheery house plants, and are our finest bed and border plants. No other flower has a wider range of usefulness.

10 Rare New Single Geraniums

Price, postpaid: 15c each; set of 10 sorts, \$1.25.

BELLEROPHON—One of the freest blooming single scarlet bedding varieties; rich, glowing scarlet, crimson maroon shading on upper petals.

GABRIEL MONTOYA—A most distinct and striking shade of reddish purple; large, round, full flowers; immense trusses; free flowering; strong, robust grower and grand habit.

MAXINE KAVOLESKI—Odd shade of orange red; very distinctive, splendid bedder, vigorous, handsome, a dependable sort.

MME. MOSNAY—Beautiful shade of Geranium lake; upper petals shaded violet to a white center; flowers freely produced in enormous trusses; clean, strong, robust, healthy grower.

MAD. CHAPOTAN—Delicate light pink; large flowers of good habit, nice foliage; specially desirable as a pot plant.

MME. J. CIBIEL—A magnificent variety; enormous trusses of large florets; the center of each petal is a soft light salmon bordered with rosy salmon; habit exceptionally strong and vigorous.

METEOR—A continual bloomer of a brilliant crimson red flower; dwarf compact habit of growth; very highly recommended and we predict for it a great future.

THEODOR DE WYZEWA—Cheerful clear shade of rich lilac rose with blotch on upper petals; strong branching semi-double growth.

SNOWDROP—Pure snow white; enormous trusses; perfectly formed flowers, held well above the beautiful foliage.



HALL CAINE—Brilliant orange scarlet, suffused rose; a unique and charming self color, flower of giant size; grows well, is free blooming and desirable either as bedding or pot plants; one of the finest Geraniums ever grown.

10 Rare New Double Geraniums

Price, postpaid, 15c. each; set of 10 sorts, \$1.25.

EDMOND BLANC—Semi-double; deep carmine, red tinged violet, with large white eye. We have found this to be one of the finest new sorts out.

DR. PHILLIPE TISSIE—Robust grower; large trusses borne on long stems; light crimson, shaded through magenta to dark white center. Beautiful and striking.

GENERAL GRANT—Bright vermilion scarlet; full round florets, borne in large trusses on long stems.

GENERAL SAUSSIER—An exquisite shade of bright carmine fading through delicate lilac to a large distinct white center; an extraordinary attractive variety.

MADAME BUCHNER—Color pure white; very large, handsome, rich green foliage, zoned with dark green; growth dwarf, vigorous and compact.

LEOPOLD BOUILLE—Semi-double Cyclops; bright solferino red, upper petals richly shaded bright carmine purple to a distinct white center profuse bloomer.

MME. BARNEY—A splendid deep pure pink, of a lively shade and grand habit of growth dwarf and branching.

MME. CHARLOTTE—Clear, distinct, rosy salmon shading lighter toward the outer edges—a combination that is pleasing and attractive.

ORNELLA—A magnificent new variety, which we are confident will meet every requirement of a semi-double scarlet Geranium, either as a pot plant or a bedder. The color is so intense scarlet as to dazzle the eye.

SUZANNE DESPRES—Large semi-double flowers, white bordered tender rose.

Geraniums for Pots and Bedding

SIX FINE SINGLE GERANIUMS

Price, postpaid, 10c. each; set of 6 sorts, 60c.

ANDREW LANG—Very large, full trusses of bright velvety scarlet flowers; upper petals heavily shaded with white towards the center.

GERTRUDE PEARSON—Flowers bright pink, upper petals shaded to white.

JAMES KELWAY—Brilliant scarlet, of the most dazzling shade; very large trusses and florets.

MRS. J. M. GARR—Trusses large and of perfect form; color pure snowy white.

MRS. A. BLANC—Light salmon, blended with darker shades; center and edge of petals pure white; extra fine.

SAM SLOANE—An extra fine velvety crimson maroon carrying immense trusses.

SIX FINE DOUBLE GERANIUMS

Price, postpaid, 10c. each; set of six sorts, 60c.

FRANCOIS MAGNARD—Fine, bright magenta shade, flowering very freely in large trusses of well-opened flowers.

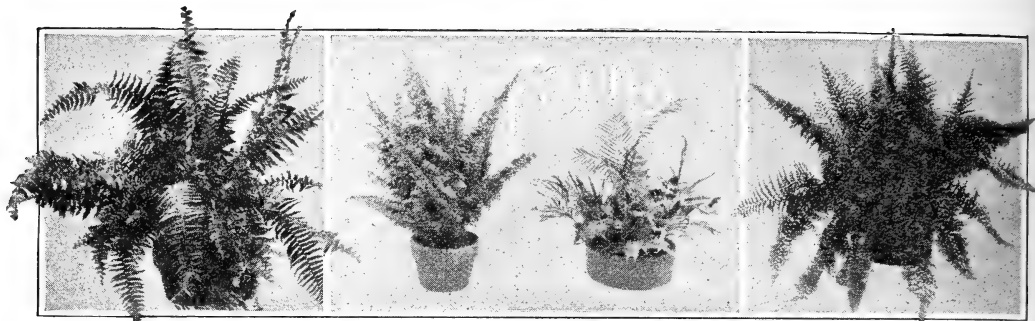
FRANCIS PERKINS—The finest pure pink variety we know of.

JOHN DOYLE—Very large and full trusses of double bright, velvety scarlet flowers.

LA FAVORITE—Trusses very large; flowers pure snow white.

MME. JAULIN—A truss of grand size, delicate pink, bordered with pure white.

S. A. NUTT—The best of the rich, dark crimson varieties; trusses massive.



WE offer a splendid list of Ferns, including some of the newest varieties as well as the older sorts. All plants are in fine growing condition, and well rooted. Florists wishing stock of the new varieties write for prices.

Nephrolepis or Boston Ferns

N. AMERPOHLII—This charming "Lace Fern" is so finely "crested" as to have a fluffy lace-like appearance that makes it the most beautiful and attractive "sport" that has yet been developed from the Boston Fern. The growth is rather dwarf and bushy, making an ideal plant for house or table decoration. **Price from 4-inch pots, 60c**

N. SCHOLZELI—The crested Scott Fern. Makes a dense, compact growth; is finely crested and of dwarf habit; stands erect with gracefully arching fronds making beautiful specimens in small as well as large plants. **Price, from 4-inch pots, fine well-rooted plants, 60c postpaid.**

BOSTON FERN—This is the original and well known type of "Sword Fern", so popular as a hardy house plant. **Nice plants, each, 20c; large plants, each, 35c to 50c; specimen plants, \$1.50 to \$3.00.**

SCOTT FERN (NEPHROLEPIS SCOTTII)—Identical with the original Boston type, but is dwarfed with a more compact and bushy habit of growth. **Price, from 4-inch pots, 60c postpaid.**

OSTRICH PLUME FERN (NEPHROLEPIS WHITMANI)—One of the most wonderful and beautiful introductions of the present age; this new sort is a sport from the well known Boston Fern; has a beautiful feathery appearance, and is one of the grandest of decorative house plants. **Nice plants, 20c to 35c each; specimen plants, \$2.50 to \$3.00.**

SUPERBISSIMA—The most unique and distinctive fern. Color a deep rich green, very dense and erect habit; foliage finely cut and crested; succeeds splendidly under almost every condition and is a very desirable table decoration. **Price from 4-inch pots, nice plants, 60c.**

New and Popular Ferns

ASPARAGUS PLUMOSUS (CLIMBING LACE FERN)—A finer and more delicate plant than the Sprengerii, but hardy and easily grown; very satisfactory for window and house culture; the fronds retain their freshness for weeks when cut; fine for floral decorations.

Nice plants, each, 15c; large plants, 25c to 50c.

ASPARAGUS SPRENGERII (EMERALD

FEATHER)—Handsome and valuable evergreen trailing plant for the house or conservatory; its beautiful sprays of lovely green, feathery foliage can be cut freely.

Nice plants, each, 15c; large plants, 35c to 50c

BIRDS NEST (ASPLENIUM NIDUS AVIS)—

A rare and beautiful fern with broad outer leaves; center curiously formed like a nest; color is deep green; an attractive pot plant for exhibition. **Well-grown specimens from 4-inch pots, \$1.50, postpaid.**

MAIDEN HAIR (ADIANTUM CROWEANUM)

—This is the hardy Maiden Hair Fern so valuable to florists for cutting, and must not be confused with the older sorts that cannot be successfully handled; this fern grows freely under almost any condition inside, and if you have not been successful with "Maiden hair" ferns as a pot plant try this one; it is a sure grower. **Good plants from 4-inch pots, \$1.00 postpaid.**

FOR FERN DISHES—Attractive assortments, sufficient for 5 to 6 inch pans. From 75c to \$1.00, postpaid.

Japanese Fern Balls

DIRECTIONS FOR STARTING—Place ball in water for 15 minutes, and then suspend in any desired position, or place in a shallow dish; repeat every two days until growth is started, after which sprinkle occasionally as required. They need very little sun.

Price of Balls in dormant state, large size, each 75c; small, 50c.

SPECIAL—Six Fine Table Ferns for \$1.00

Price 20c. each 6 sorts for \$1.00. Extra large plants 40c. each.

ADIANTUM CUNEATUM—Maiden Hair Fern. A very beautiful and graceful fern.

ASPIDIUM TAUSSIMENSE—Without question the most valuable of all ferns yet introduced for fern dishes; of strong but dwarf and graceful habit.

BOSTON FERN—See description above.

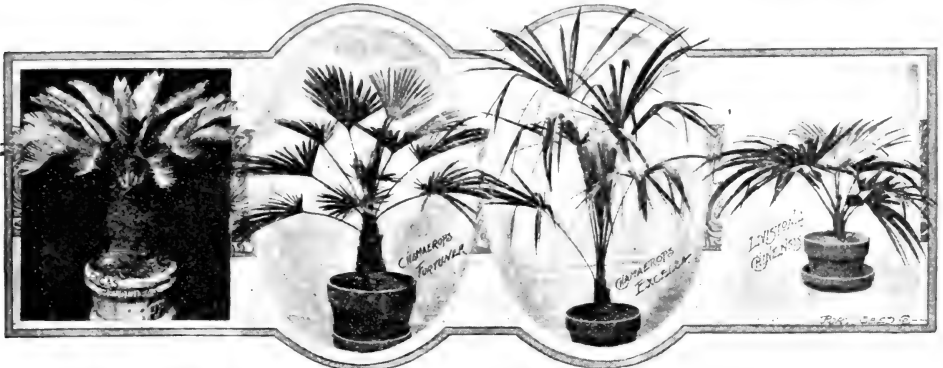
CRYPTOMIUM FALCATUM (The Holly leaved fern).—One of the most desirable; with hardy, dark green foliage.

Pteris CRETICA ALBO-LINEATA—A pretty and useful variegated variety, distinctly showing the clear white variegation.

OSTRICH PLUME—See description above.

 **We can supply any of the above in all sizes from 2 1/4 inch pots up to large specimen plants. Prices, from 35c to \$3.00 each.**

Palms and Ornamental Plants



PALMS lend to their surroundings an atmosphere of elegance and completeness, and with proper care will thrive in any home, making the most magnificent and useful decorative plants.

CARE OF PALMS.— Good garden loam, with a little sharp sand, is the best soil for palms, and good drainage is of first importance — do not keep a palm too wet. If you set the pot in a jardiniere put some thing under the pot to let the water drain through. Never let the water stand around the bottom of the pot. Water thoroughly, but let it drain off, then when the soil begins to look dry give another good wetting. It is important to keep the soil of any pot plant moist — clear through — but not wet like mud. One other important point: Soil must have light; palms and some plants would do well without strong light, but the soil would soon sour and fail to nourish them, therefore, when not actually in use keep them as near the windows as possible, but not in the hot sun.

Bone meal is the best fertilizer; a tablespoonful to a 7-inch pot is a good portion. Dig well into the soil. Apply when new growth shows. Do not repot as long as they are doing nicely. And when you do, transfer gently to the larger pot and fill the soil around the roots, disturbing them as little as possible. Palms do best in comparatively small pots. Shower them with water twice a week and should they show signs of scale, wash with strong soap and water or kerosene emulsion (a pound of soap melted with a half pint of kerosene thoroughly stirred into it). Dilute this with ten parts of water and apply with a cloth or brush.

Palms

Choice Palms for Table and House Decoration.

PHOENIX ROEBELENII — A new and graceful miniature "Phoenix" fully equalling in beauty the Cocos Weddelliana, and having the advantage of being as hardy as the Kentia. Of vigorous, bushy growth, with dark green recurving foliage. An admirable house plant. **Price, choice plants from 4-inch pots, 60c to \$1.00.**

KENTIA BELMOREANA — A beautiful, handsome looking, strong growing Palm with deep green, crisp foliage; inclined to dwarf and spreading habit; one of the most popular for house culture, as they are very hardy. **Small plants, 50c to 75c. Large plants, 18 inches up, \$1.50 to \$5.00 and up.**

COCOS WEDDELIANA — The most graceful of all Palms; finely cut foliage of rich deep green; we have fine plants of this most desirable Palm, well established in 4-inch pots, 5 to 7 leaves. **Each, \$1.00. Nice specimen plants, \$2.50 up.**

LIVISTONIA ROTUNDIFOLIA — A miniature fan leaved Palm, having almost a globular form in well grown specimens. Beautiful for table; thrive well in the house. **Price, from 4-inch pots, 75c.**

THRINAX RADIATA — An attractive graceful species with palmate leaves narrowly divided. **Price, from 4-inch pots, 75c.**

Japanese Palms

LIVISTONIA CHINENSIS (See cut No. 4)—The most popular Palm for decorative work, for apartments or conservatories; leaves large, fan shaped, of a rich dark green color; handsome, graceful and quick growers, 12 to 18 inches. **Each, 75c to \$1.00.**

CYCAS REVOLUTA, SAGO PALM (See cut No. 1) — These are magnificent plants, of noble and majestic habit, and most impressive; very valuable for both lawn and house decorations; they have a thick trunk, and their heavy, glossy, deep green pinnate leaves resist alike the gas, dust and cold to which decorative plants are frequently exposed; fine plants, large trunks, with well branched leaves at the top, 18 inches and up. **Each, \$3.00 to \$5.00 and up.**

Umbrella Plant

CYPERUS, (Alternifolia) — A splendid house plant of easy culture; resembles a palm; requires little or no attention, and remains green throughout the year. Keep well watered. **Small plants, postpaid, each, 15c to 25c. Large plants, by express, each, 35c to \$1.00.**

CHAMAEROPS EXCELSA (See cut No. 3) — Leaves fan shaped, deeply cut; one of the hardiest Palms we have and worthy of extensive culture; very ornamental, a symmetrical grower and has very handsome palmate leaves. **Choice plants, 18 inches and up, each, \$1.50 to \$3.00.**

CHAMAEROPS FORTUNEI — (See cut No. 2.) — A handsome Palm, similar to the above, more dwarf in growth and with smaller leaves; we import the Chamaerops, Livistonia and Cycas Palms from Japan. **Choice plants, 18 inches up Each, \$1.50 to \$3.00**

RHAPIS HUMILIS — Rare ornamental Palm with slender, graceful leaves; very handsome and attractive; an excellent decorative variety, requiring very little sun. **Each, \$2.50 to \$5.00.**

Dracaenas

D. INDIVISA — This is the popular hardy Dracaena that is used so extensively for centers of vases, baskets, boxes, etc. Of graceful form, and stands full exposure to sun. **4-inch pots 35c; 5-inch pots, each, \$1.00.**

D. FRAGRANS — Foliage broad, color, rich dark green; makes a splendid house plant; requires no special attention. **5-inch pots, each, \$1.00.**

"DIAMOND PLANT FOOD" for Palms and Pot Plants. $\frac{1}{2}$ lb. Pkg. 15c; 1 lb. 25c.



DIAMOND QUALITY ROSES

DIAMOND QUALITY ROSES are large, sturdy, two-year-old, field-grown roses that will give you splendid flowers the first season. They are true to name and our list includes the best of the well known popular varieties, the most meritorious of recent novelties and the Gold Medal roses of the famous European growers.

YOUR ROSE ORDER entrusted to us will insure careful selection and no substitution. If you do not find what you want in this catalog write us. Our excellent connections with the great centers of production enable us to supply any variety in commerce.

Abbreviations

T.—TEA—One of the best classes of roses, and truly ever blooming. They are hardy in this section, frequently wintering without any protection, although during our coolest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. P.—HYBRID PERPETUAL—The hardiest of all roses, vigorous in growth and easy of culture, producing large flowers, fine in form and fragrance.
H. T.—HYBRID TEA—Most of these are as free flowering and as constant bloomers as the teas, and are harder, but, as a rule, not so hardy as the H. P.'s.

OTHER COMMON ABBREVIATIONS are **Cl.**, Climbing; **N.**, Noisette; **Poly.**, Polyanthus; **Pern.**, Pernetiana (a type of Hybrid Briar produced by Pernet-Duchere); **H. B.**, Hybrid Briar; **R.**, Rugosa; **S.**, Single.

PLANTING AND CARE

In our favored section Roses attain a perfection seldom equalled, but you can not expect them to thrive and bloom unless you care for them. We offer the following simple suggestions.

SOIL—Any good, well-drained garden soil enriched with fertilizer will give excellent results. If heavy clay soil mulch well with burnt earth and manure, rotted sod or leaf mold.

WATERING—When setting out, water regularly until roots are well set; then about once a week unless the ground is very dry; in such cases more often. Do not get the foliage wet after a hot day. This causes mildew.

SHIPPING—We always send all our two-year-old rose bushes charges collect by express or freight, packing them so they will carry safely even though they should be on the road for two weeks or more.

If necessary, we can send small two-year-old bushes by mail at an additional cost of 7c each to cover postage, but in such cases we always prune the tops and roots ready for planting.

FERTILIZER—Our odorless commercial fertilizer, Bone Meal, Tankage or Blood will give excellent results, and should always be applied after the plants start their growth.

FINALLY—Keep the surface well worked around the roots. This is as necessary as water or fertilizer.

When planting cut back freely, and the bush will recover quickly.

PRICES—35c roses, \$3.00 doz.; 40c roses, \$4.00 doz.; 50c roses, \$5.00 doz.; 60c roses, \$6.00 doz.; 75c roses, \$8.00 doz.; \$1.00 roses, \$10.00 doz.

 **FOR ALPHABETICAL, CLASSIFIED LIST OF ROSES, SEE PAGE 40.**

Beautiful Roses of Recent Introduction

Magnificent new roses imported direct from famous Irish and Continental growers.

BRITISH QUEEN—(H. T.) Pure white large full flowers of exquisite form, opening freely in all weathers; promises to be one of the best white roses for bedding and cutting. Surpassing "Druschki" in beauty of form and purity.

Each, \$1.25.

GEORGE DICKSON—(H. T.) Very strong and vigorous, upright growth, flowers of the largest size; perfect in shape and unique in color, being a velvety blackish crimson with the back of the petals heavily veined with pure crimson maroon. Delightfully scented.

Each, \$2.00.

REINE MARIE D'ITALIA—Apricot ochre yellow, medium sized, full flowers, very free produced.

Each, 60c

LADY MARY WARD—(H. T.) Free, vigorous and hardy, color rich orange, shaded deeper orange with metallic veining; very brilliant; splendid for bedding and cutting. **Each, \$3.00.**

OLD GOLD—(H. T.) A splendid garden rose of vivid reddish orange color with coppery red and coppery apricot shadings. Flowers are medium size and moderately full. Fine for bedding.

Each, \$3.00.

QUEEN MARY—(H. T.) Vigorous, free branching growth, a bedding and garden rose of great beauty and refinement, flowers medium size and fine form, color lemon chrome, bordered at the edge with pure deep carmine; a charming combination affording a most delightful contrast.

Each, \$3.00.

Beautiful Roses of Recent Introduction—Cont.

COUNTESS OF SHAFTESBURY—(H. T.) A splendid new pink of the most ideal type of Hybrid Tea; flowers are large, perfect in form and produced in the greatest profusion. The color is a bright, silvery carmine mottled and flushed shell pink, giving a picotee effect; a fine exhibition rose, being a Gold Medal winner and the best pink rose, for massing or garden. **Each, \$1.00.**

SUNBURST—(H. T.) The finest of all yellow roses with long pointed buds carried singly on good stems. Flowers large, full and of most beautiful form, color a superb Cadmium yellow with orange yellow center. The foliage is a hand some bronze green; a vigorous grower and good both as a forcing garden rose. **Each, 75c.**

JULIET—(H. B.) A magnificent new rose, the color being a wonderful combination of old gold on the outside of petals and a rich rosy red on the inside. Flowers are large, full and delightfully scented. The foliage is luxuriant and beautiful. Juliet is a vigorous and abundant grower, and the most pleasing and distinctive novelty ever offered. We have an extra choice, though limited stock of large, field grown, two-year-old plants. **Each, \$1.00.**

MRS. CHAS. E. ALLAN—H. T.—A delightful garden rose of a delicate and novel coloring, opening a pale orange and changing to ochre as the flower opens. Buds are long, pointed, and flowers are full on good stems, flowers freely, very shoot producing a bloom. A vigorous grower and one of the finest garden roses ever introduced. **Each, \$1.00.**

RAYON D'OR—(Pern.) Flowers are large, full, open freely, keep well and are borne in greatest profusion. Buds long pointed of deep orange cadmium smeared claret, opening to a rich sunflower yellow which does not fade. Foliage is deep glossy green, strong growing, free branching and absolutely free from the attack of mildew. This splendid newrose, a cross between Melaine Soupert and Soliel D'Or is producing a greater sensation than was caused by Lyon, both these wonderful varieties originating from the same source. **Each, \$1.00.**

LADY ALICE STANLEY—(H. T.) This grand new gold medal rose is large, very full and of splendid substance, petals shell shaped, pointed, giving perfect form to the flowers, which are a lovely deep coral, inside pale flesh, deliciously fragrant and are very lasting. A free grower and a profuse and constant bloomer. Two year old plants. **Each, 75c.**

MRS. AARON WARD—(T.) One of the most delightful roses of recent years in a color that catches the eye at once—a deep golden orange color shading out to lemon or creamy yellow at the edge of the petals. Some describe the rose as an Indian yellow. The buds are cupped and very deep, showing the glowing heart to the best advantage. Flowers very large, very full, of exquisitely refined form. One of the most beautiful roses in existence. **Each, 60c.**

MARQUISE DE SINETY—(H. T.) Golden orange shading to fiery red, large double flowers, of good form, very beautiful and attractive. A splendid garden rose for summer blooming; vigorous and hardy. One of the grandest of the new roses. **Each, 60c.**



Countess of Shaftesbury

LADY HILLINGDON—(T.) Deep apricot yellow, long and pointed bud, a fine forcing or garden rose, excellent for cutting. Flowers are of a good substance, very lasting and foliage hand some and luxuriant. Lady Hillingdon is considered the best decorative rose in its class. This aristocratic beauty is a seedling from Papa Gontier and Madame Hoste. Two year old plants. **Each, 75c.**

JOSEPH HILL—(H. T.) Salmon pink shaded yellow. Outside petals yellow suffused copper, a grand free blooming rose of large size and most elegant form. **Each, 60c.**

EDWARD MAWLEY—H. T.—Flowers large and full, of finest form, with beautiful, long pointed buds, color deep rich velvety crimson which does not fade, flowers keep well when cut; growth is vigorous, upright and branching, with handsome foliage. Edward Mawley is one of the finest red roses ever offered, being a decided advancement in its class. Two-year-old field-grown plants. **Each, \$2.00**

3 New Single Irish Roses

SPECIAL—One each of three varieties, two-year old plants only, \$1.35

IRISH ELEGANCE—(S.) Large single golden bronze flowers of great beauty, free and constant bloomer, with deep bronze foliage. **Each, 50c.**

IRISH HARMONY—(S.) Single, saffron yellow heavily crayoned claret in bud, when expanded changes to creamy white. **Each, 60c.**

IRISH SIMPLICITY—(S.) Almost single, pure white and of immense size. The great size and substance of the petals which are slightly cupped and the golden yellow anthers may readily bring to mind the comparison to a huge water lily. Vigorous grower with handsome deep green foliage. **Each 50c.**

Grand New Garden Roses

These splendid free blooming Roses are newer varieties that are becoming more plentiful and can be offered at a very low price. In this list you will find many famous prize winners and some of the most beautiful and popular roses.



LYON—(Pernetiana.) The Lyon is a beautiful shrimp pink with salmon and chrome yellow shadings. Large coral red buds beautifully formed; full globular flowers of rare beauty; a continuous and free bloomer. Lyon is the "perfect rose," only one scoring 100 points. Gold medal and special certificate awards. **Each, 50c.**

PRICES, Except where noted. Large two-year-old field grown plants, each, 40c; dozen, \$4.00.

AVOCA—(H. T.) Deep scarlet crimson flowers of perfect form; very fragrant; a fine exhibition or garden rose; vigorous, free bloomer.

BETTY—(H. T.) Beautiful coppery rose color, over spread with golden yellow. Deliciously fragrant, very large, fairly full and of glorious form. Superb decorative variety for the garden, fairly glows with brilliancy.

DEAN HOLE—(H. T.) Beautiful silvery carmine, shaded bright golden pink; grand flowers of great substance, perfect in form; vigorous, free branching habit; continuous bloomer; one of the best exhibition roses. Gold medal N. R. S.

FLORENCE PEMBERTON—(H. T.) Creamy white, suffused pink. Flowers very large and full, of perfect form and wonderful substance.

FRANZ DEEGAN—(H. T.) This beautiful yellow Hybrid Tea is a fine grower, having dark, leathery foliage and the good habit of throwing up numerous heavy canes, each one crowned by a glorious flower of large size.

GENERAL MacARTHUR—(H. T.) Dazzling crimson scarlet, a grand American rose of ideal form, delicious perfume and magnificent foliage. Blooms continuously in great profusion, the grandest red rose for garden or cutting.

HUGH DICKSON—(H. P.) Glowing crimson-shaded scarlet; large, full, perfectly formed, delightful perfume, strong grower, perpetual bloomer (should be cut back freely). After careful comparative tests, we believe Hugh Dickson is the best hardy red garden rose to date.

MADAME MELANIE SOUPERT—(H. T.) Splendid new orange yellow shaded pink; beautiful long-pointed buds, large size, free blooming; a strong, upright grower; best of its color.

Each, 50c.

MRS. ARTHUR WADDELL—(H. T.) A strong rampant growing Hybrid Tea rose, with foliage that is ornamental in itself. Large, long pointed buds of a bright rosy scarlet opening into a finely formed flower of a rich apricot or salmon color.

Each, 50c.

PHARISAER—(H. T.) Rose, shaded salmon, blooms freely; opens well, is large and of finest form. A free and constant bloomer. **Each, 50c.**

WHITE KILLARNEY—(H. T.) The finest ever-blooming white rose for cut flowers. The long pointed buds are of ideal form, petals purest white and heavy wax-like texture, remaining a long time in bud. Flowers are full and beautiful when open and are very lasting. **Each, 50c.**

DOROTHY PAGE ROBERTS—(H. T.) Coppery pink, suffused with apricot yellow, very free and perpetual, a delightful garden rose. **Each, 50c.**

DUCHESS OF PORTLAND—(H. T.) One of the best Dickson introductions; a lovely pale yellow with thick leathery petals, full and perfect form; hardy, robust rose blooming earlier and more freely than "Kaiserin," long stems; lovely in bud or flower, and a good keeper. Gold medal N. R. S.

Each, 50c.

JONKEER J. L. MOCK—(H. T.) A magnificent and unique rose. Inside of petals red, outside silvery bluish white. Of fine form, good substance and largest size. A strong, rapid grower. This rose has been awarded eight prizes at the recent European shows.

Each, 50c.

LE PROGRESS—(H. T.) Nankeen yellow, opening to saffron yellow; large, full and cupped, opening freely, a grand rose always in flower.

Each, 50c.

J. B. CLARK—(H. T.) One of the finest of new roses. Its glorious flowers are intense scarlet, shaded blackish crimson, of giant size, finely formed and fragrant; growth vigorous and upright.

KILLARNEY—(H. T.) The new Irish Beauty. Color an exquisite shade of deep shell-pink lightened with silvery pink. Buds are exceptionally long and beautifully formed, the open flower is graceful in the extreme.

LADY BATTERSEA—(H. T.) This variety has long oval buds, sharply pointed, very striking in form. The color is a bright, cherry crimson.

MADAME PHILLIPPE RIVOIRE—(H. T.)—Beautiful apricot yellow and Nankeen yellow center, reverse of petals carmine; large, full and globular, a splendid free blooming Rose.

MAD. SEGOND WEBBER—(H. T.) Pure, rosy salmon, vivid center, large, full and perfectly formed flower, flowering freely and continuously on stiff erect stems.

MME. LEON PAIN—(H. T.) A silvery flesh with yellowish orange center; very large and full; opens freely; vigorous.

MRS. DAVID JARDINE—(H. T.) Delightful shade of bright rosy pink, shading in outer petals to salmon pink, large, perfect form, very highly perfumed; a grand rose.

MY MARYLAND—(H. T.) Beautiful bright pink, with paler edges; delightfully fragrant; robust grower and very free flowering; flowers full and good keeper. The best pink of its color; specially fine for florists, as well as being one of the grandest garden roses.

Grand New Garden Roses—Cont.

- PERLE D'OR**—(Poly.) Nankeen yellow, orange center; small and very beautiful.
- PRINCE DE BULGAIRE**—(H. T.) Very vigorous grower, with large, bright green foliage, beautiful form of bud, flower very large and full. The outer petals are extremely large, of superb rosy flesh color, center of flower bright red, very fine and very free.
- W. R. SMITH**—(T.) (Maidenblush)—A superb new rose of American origin, producing elegantly shaped buds and open flowers of much beauty. Of an exquisite silvery pink color and sweetly perfumed.

- RHEA REID**—(H. P.) A new American rose which can best be described as being as red as a "Richmond," as large as an "American Beauty," with the fragrance of "La France," and blooms continuously, flowers being borne on long stems; very hardy and vigorous. Gold medal Paris, 1908.
- PRINCESS MARIE MERTCHERSKY**—(H. T.) Flowers flesh flushed with carmine; large and full; very beautiful.
- LADY ROBERTS**—(T.) Rich apricot, base of petals coppery red, edges of petals shaded orange, bud long and pointed very beautiful. Gold medal N. R. S. Be sure to order Lady Roberts.

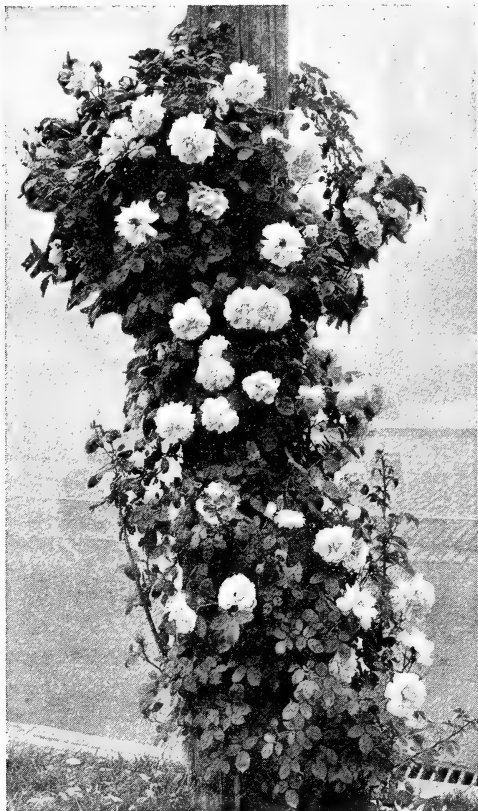
Favorite Hardy Garden Roses Two Year Old Field Grown Plants

Prices, each, 35c; \$3.00 per dozen unless otherwise marked.

- AMERICAN BEAUTY**—(H. P.) One of the largest, sweetest and best. Color, rich, rosy crimson, shaded and veined in the most charming manner.
- BABY RAMBLER**—(Poly.) A dwarf Crimson Rambler not over 18 inches high, producing large trusses of light crimson flowers; clean dark green foliage; it will flower the year around.
- BARONESS ROTHSCHILD**—(H. P.) Flowers of immense size; color bright, rosy pink.
- BELLE SIEBRECHT**—(H. T.) A true, solid pink of the richest shade, a rare color. The flowers are sweetly perfumed, and large, beautifully formed, of long, tapering shape, with high center, and when half blown the petals reflex in a graceful manner.
- CECILE BRUNNER**—(Poly.) Bright rose, yellowish in center; very sweet; dwarf polyanthus.
- CLARA WATSON**—(H. T.) A bright salmon rose tinted peach, good form; a vigorous grower.
- CONRAD F. MEYER**—(Rug.) Beautiful silvery pink, of grand form and delicious fragrance, hardy in any climate, its handsome foliage makes it most valuable for a flowering hedge.
- COUNTRESS OF GOSFORD**—(H. T.) Clear salmon pink, base of petals shading to saffron yellow, very vigorous; perpetual bloomer.
- ETOILE DE LYON**—(T.) Blooms freely, and every flower is a gem, equaling the Marechal Neil in size. Sweet scented; color, rich golden yellow.
- FRAU KARL DRUSCHKI**—(H. P.) The white American Beauty. Makes splendid buds and immense flowers; perfectly double and delightfully fragrant; large, thick petals; bright, shining green leaves, elegantly veined; a healthy, vigorous grower; and a constant and abundant bloomer.
- GENERAL JACQUEMINOT**—(H. P.) Bright, shining crimson; very rich and velvety.
- GLOIRE LYONNAISE**—(H. T.) Color, chamois yellow, deepest at the center, passing to creamy white; large, full, sweet and very distinct.
- GRUS AN TEPLITZ or VIRGINIA R. COXE**—(H. T.) Color, fiery crimson, with a dark velvety sheen, very fragrant. The freest blooming rose.
- HON. INA BINGHAM**—(H. T.) Bright pink, good substance, large, desirable garden rose.
- KAISERIN AUG. VICTORIA**—(H. T.) A beautiful rose with elegant, large pointed buds and very large, full double flowers, color, delicate creamy white; deliciously fragrant. A strong, healthy grower and constant bloomer.
- MAD. ABEL CHATENAY**—(H. T.) Color, beautiful rosy carmine, with darker shadings. Very richly colored. One of our finest varieties.
- MAMAN COCHET**—(T.) This is one of the most beautiful Tea roses we list. The color is a deep, rosy pink, the inner side of the petals silvery rose.
- MADAME CAROLINE TESTOUT**—(H. T.) A grand rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. The official "Carnival Rose."
- WHITE MAMAN COCHET**—(T.) White, grand substance, immense size, exquisitely fragrant, and a free bloomer; buds long and pointed.
- MARGARET DICKSON**—(H. P.) Magnificent form; white, with pale flesh center; petals very large, shell-shaped, and of great substance; fragrant.
- MARIE VAN HOUTTE**—(T.) Of a fine, faultless straw-yellow color; outer petals washed and outlined with a bright, rosy carmine.
- MILDRED GRANT**—(H. P.) Delicate pale pink, shading to silvery white in center; grand giant variety of rare beauty; perfectly formed, pointed buds; full flowers of fine substance; a hardy, strong grower.
- MRS. R. G. SHARMAN CRAWFORD**—(H. P.) Lovely deep rose pink, outer petals shaded pale flesh, base white, a new and unique shade. Large perfect flowers, free blooming; a grand Autumn rose.
- PAPA GONTIER**—(T.) Large and semi-double; a vivid cherry red color, shaded yellow, reverse.
- PAUL NEYRON**—(H. P.) Deep, shining rose, double and handsomely formed; blooms freely, the largest variety in existence.
- PERLE DES JARDINS**—(T.) A clear, golden yellow, an indescribably rich and beautiful shade.
- PRINCE CAMILLE DE ROHAN**—(H. P.) Very dark, rich velvety crimson, passing to intense maroon, shaded black; regarded as the best of its color.
- RAINBOW**—(H. T.) Buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber.
- RICHMOND**—(H. T.) The most vivid of ever-blooming red roses, buds and flowers of the most perfect and desirable form. The best of its color.
- SAFRANO**—(T.) Bright apricot yellow, tinged, orange and fawn.
- SOUV. DE PIERRE NOTTING**—(T.) Very large, perfectly full, of elegant form; has a beautiful long bud; color, orange yellow, bordered in carmine rose.
- SOUV. DE PRESIDENT CARNOT**—(H. T.) Lovely shell-pink, delicately tinted with golden fawn on rich creamy white. Superb for bedding in open ground. Makes splendid buds for Summer cutting.
- ULRICH BRUNNER**—(H. P.) A magnificent rose, extra large, bold flowers, full and globular; petals large and of good substance; color, rich, glowing crimson, elegantly flamed with scarlet.
- WHITE LA FRANCE**—(H. T.) This magnificent rose is a pure white La France, having just a breath of rose-tinted blush.
- LA FRANCE**—(H. T.) Both flowers and buds are of grand size; color, a silvery rose, changing to pink. A general favorite. Sweetest of all roses.
- MABEL MORRISON**—(H. P.) Of purest white; velvety in its appearance; petals thick and shell-shaped; very double and rounded.
- LADY ASHTOWN**—(H. T.) One of the finest pinks of a rich, deep, silvery tone; flowers large, perfect form; free blooming; vigorous.
- MRS. JOHN LAING**—(H. P.) Very free flowering; color, a soft, delicate pink, with satiny tinge.

CLIMBING AND PILLAR ROSES

PRICE (unless otherwise noted) 35c each; \$3.00 per doz. Strong field grown 2-year-old plants.



GAINSBOROUGH—Graceful flower of dainty shell pink color and satiny finish. Hardy, ever-blooming and a free climber.

SILVER MOON—A magnificent white climber, cross of Wichuriana and Cherokee, large, semi-double blooms of good substance with golden stamens. Flowers are carried on long stems. Foliage is abundant, delightfully fragrant, of a bronze green color and is immune to mildew.
Price, each, 75c.

DR. VAN FLEET—A new Hybrid Climber of great beauty, bearing freely. Large fully double blooms of a dainty flesh pink with rosy center flowers of perfect form with reflex petals and are carried on long stems, making this a desirable variety for cutting. Foliage is luxuriant bronze green. A cross of Pres. Carnot and Wichuriana.
Select field-grown plants at 75c each.

AARDS PILLAR—Rich velvety crimson; fine large full flower, cupped form; a hardy, free-blooming, free-growing garden rose, of finest quality.

BEAUTY OF GLAZENWOOD—Bronzed yellow or copper and fawn color. One of our grandest climbing roses. Very hardy and a free bloomer.

CLIMBING CECIL BRUNNER—Strong rampant climber, ever-blooming clusters of pretty pink flowers, especially beautiful in bud. A gem among climbing roses.

CLIMBING KAISERIN (Mrs. Robert Peary)—Flowers fine, ivory white, of heavy texture, and large size.

CLIMBING LA FRANCE—Identical with the well-known La France; vigorous climber.

CLIMBING MADAME CAROLINE TESTOUT—Covered during the whole season with immense globular flowers of the same beautiful shade of pink as seen in the bush sort.

CLIMBING METEOR—Rapid grower; rich, dark, velvety crimson flowers.

GLOIRE DE DIJON—Noted for the great size of its flowers, its delicate tea scent, and its shades of color, being a blending of amber, carmine and cream.

MADAME ALFRED CARRIERE—Extra large, full flowers, very double and sweet, and a most profuse and persistent bloomer; color, rich, creamy white, faintly tinged pale yellow and blush.

PILLAR OF GOLD—Rich golden yellow suffused copper and pink. Flowers are full, of fine form and delightfully fragrant. They are borne freely in clusters of from 5 to 10. **Price, each, 35c.**

REINE MARIE HENRIETTE—A strong, vigorous grower; flowers large, full and of fine form; color, glowing crimson, elegantly shaded.

REVE D'OR (Climbing Safrano)—Color apricot yellow, with orange and fawn tints; petals of superb and delicate texture.

TAUSANDSCHAUN—A lovely shade of soft pink free blooming, a vigorous climber with splendid foliage.

WILLIAM A. RICHARDSON—Color, rich coppery yellow, flushed with carmine; a very beautiful variety, having few equals.

CLIMBING BELLE SIEBRECHT—(C. H. T.)—Flowers identical with bush type; vigorous climber; hardy.

CLIMBING PAPA GONTIER—(T.) A "Native Sport" from the favorite bush Papa Gontier.

DUCHESS D'AUERSTADT—(T. A.) Splendid climber of the Marechal Neil type, being a more vigorous and hardy rose. Color is a fine rich yellow, flowers are large, full and open freely.

MARECHAL NEIL—A magnificent deep golden yellow variety; so famous as to need no description; grown the world over for its immense yellow flowers; the finest rose of its color in existence.

CLIMBING LADY ASHTOWN—Strong vigorous climbing sport of this well-known valuable rose.

CLIMBING WHITE MAMAN COCHET—The introducer describes this as identical with the best type of this famous and beautiful Rose, being a free and constant bloomer and of a vigorous climbing habit.
Price, 50c.

Gladioli For complete list of new and Standard varieties see our

General Catalog **READY**
JAN. 1st

Five Grand New Rambler Roses

Price: Young plants, 15c each; set of 5 sorts, 60c. Two-year-old plants, 40c each; set of 5 sorts, \$1.60.

The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in one season. They bear immense clusters of beautiful, fragrant flowers.

AMERICAN PILLAR—WICH.—A beautiful bright pink with yellow anthers. The splendid large single flowers are borne in great clusters; the most popular pillar rose.

PINK CHEROKEE—A grand new climbing rose, of rare beauty and undoubted merit and entirely distinct from any other climbing rose. The lovely single blossoms are 3 to 5 inches in diameter, saucer shaped and of a beautiful shade of light pink.

WHITE DOROTHY—As its name indicates, it is a sport from Dorothy Perkins, possessing all the fine qualities of that grand variety, but having pure snow white flowers. This rose, we believe, will become a fixture in the list of climbing roses.

VEILCHENBLAU (Blue Rambler)—This is the Blue Rambler which created such a furore in Europe. It is a seedling from Crimson Rambler with semi-double flowers produced in very large trusses. The flowers first open pink, but quickly change to a violet or steel blue. Totally distinct and a wonderful Rose for pillar and porch decoration.

FLOWER OF FAIRFIELD—Everblooming crimson Rambler, brilliant crimson, base of petals white, flowering in great profusion perpetually throughout the season. **Flower of Fairfield** is a true, everblooming, **Crimson Rambler**, a splendid grower and a great improvement over the old type; strong field-grown plants.

Four Popular Ramblers

Price: 1 yr., 15c each. 4 sorts, 50c. Two-year-old plants, 35c each.

PHILADELPHIA RAMBLER—An improved type of the favorite Crimson Rambler; color, deeper, more brilliant and lasting; flowers perfectly double borne in great profusion, much earlier than the old type; vigorous, luxuriant foliage, not susceptible to mildew.

YELLOW RAMBLER—Same type and growth as Crimson Rambler, except for color, which is a pure, bright yellow.

DOROTHY PERKINS—Polyanthus type; color a beautiful bright shell pink; flowers large, very double; petals prettily crinkled; blooms in large clusters of 30 to 40; a splendid keeper.

WHITE RAMBLER—Flowers pure white, sometimes faintly tinged blush, flowers borne in immense clusters; very vigorous.

Standard, or Tree Roses

Price of all Tree or Standard Roses, \$1.00 to \$2.00 each, according to size of head. Tree roses are budded or grafted on hardy rose stocks about four feet high. They soon make good sized heads forming a small tree, especially desirable for planting as single specimens, in back-grounds or rows along walks or driveways.

Order any color or variety you wish and we will send it or give you as good a substitute as possible. We aim to have the following varieties in stock:

Mrs. Jno. Lalng
Prince de Bulgarie
Lyon.
La France
K. A. Victoria
Mad. Caroline Testout
Ulrich Brunner
Grus an Teplitz
F. K. Druschki
Baby Rambler

Richmond
Baroness Rothschild
Hugh Dickson
Countess of Gosford
Dorothy Perkins
Glorie de Dijon
Gen. McArthur
Marechal Nell
Mad. Abel Chatenay

Moss Roses

These old-fashioned Roses are coming into favor and we offer the following as best of their colors. Price, each, 35c; dozen, \$3.00.

BLANCHE MOREAU—Flowers pure white, large, sweetly perfumed; borne in clusters. Best white Moss Rose.

CHAPEAU DE NAPOLEON—Splendid rich red, best of its color.

CRESTED MOSS—Bright rose, light edging, well mossed.

SALET—Color, lovely satin rose; very full and of great beauty; one of the best.



No. 5 is the
Best Fertil-
izer for your
Lawn and
Roses.

“How to Grow
Roses”

By Rev. S. S. Sulliger

Free on Request

Ask for It

APHISCIDE The Best Summer Spray for **ROSES** Prices, Qts., 25c; Gal., 60c
READY FOR USE

Alphabetical List of Roses

| Name and Class | Price | Pg. | Name and Class | Price | Pg. | Name and Class | Price | Pg. |
|----------------------------|--------|-----|---------------------------|-------|-----|---------------------------|-------|-----|
| Aards Pillar, H. T. | \$0.40 | 38 | Irish Simplicity, S. | .50 | 35 | Mrs. John Laing, H. P. | .35 | 37 |
| American Beauty, H. P. | .35 | 37 | J. B. Clark, H. T. | .40 | 36 | Mrs. R. G. S. Crawford, | | |
| Avoca, H. T. | .40 | 36 | Joseph Hill, H. T. | .60 | 35 | H. P. | .35 | 37 |
| Baby Rambler, Poly. | .35 | 37 | Jonkheer J. L. Mock, H. | | | Moss Roses. | .35 | 39 |
| Baroness Rothschild, H. P. | .35 | 37 | T. | .50 | 36 | My Maryland, H. T. | .40 | 36 |
| Belle Siebrecht, H. T. | .35 | 37 | Juliet, H. B. | 1.00 | 35 | Old Gold, H. T. | 3.00 | 34 |
| Betty, H. T. | .40 | 36 | Killarney, H. T. | .40 | 36 | Papa Gontier, H. T. | .35 | 37 |
| Blue Rose, Poly. | .40 | 39 | Kais. A. Augusta, H. T. | .35 | 37 | Paul Neyron, H. P. | .35 | 37 |
| British Queen, H. T. | 1.25 | 34 | Lady Alice Stanley, H. | | | Pharisaer, H. T. | .50 | 36 |
| Cecile Brunner, Poly. | .35 | 37 | T. | .75 | 35 | Pink Cherokee, S. | .40 | 39 |
| Clara Watson, H. T. | .35 | 37 | Lady Hillingdon, T. | .75 | 35 | Prince de Bulgarie, H. T. | .40 | 36 |
| Climbing Roses. | | | Lady Mary Ward, H. T. | 3.00 | 34 | Prince C. de Rohan, H. | | |
| Conrad F. Meyer, Rug. | .35 | 37 | Lady Ashtown, H. T. | .35 | 37 | P. | .35 | 37 |
| Countess of Gosford, H. T. | .35 | 37 | Lady Battersea, H. T. | .40 | 36 | Princess M. Mertcher- | | |
| Countess of Shaftesbury | | | La France, H. T. | .35 | 37 | sky, H. T. | .40 | 36 |
| H. T. | 1.00 | 35 | Le Progress, H. T. | .50 | 36 | Perle des Jardins, T. | .35 | 37 |
| Dean Hole, H. T. | .40 | 36 | Lyon, Pern. | .50 | 36 | Perle D'Or, Poly. | .40 | 36 |
| Dorothy Page Roberts, | | | Mad. Abel Chatenay, | | | Queen Mary, H. T. | 3.00 | 34 |
| H. T. | .50 | 36 | H. T. | .35 | 37 | Rayon D'Or, Pern. | 1.00 | 35 |
| Dorothy Perkins, Poly. | .35 | 39 | Mad. Caroline Testout, | | | Reine Marie d'Italia, H. | | |
| Duchess d'Auerstadt, | .40 | 38 | H. T. | .35 | 37 | T. | .60 | 34 |
| Duchess of Portland, H. | | | Mad. Leon Pain, H. T. | .40 | 36 | Rhea Reid, H. P. | .40 | 36 |
| T. | .50 | 36 | Mad. Melaine Soupert, | | | Richmond, H. T. | .35 | 37 |
| Edward Mawley, H. T. | 1.00 | 35 | H. T. | .50 | 36 | Rainbow, H. T. | .35 | 37 |
| Etoile de Lyon, T. | .35 | 37 | Mad. Phil. Rivoire, H. T. | .40 | 36 | Ramblers. | .35 | 39 |
| Florence Pemberton, H. | | | Mad. Second Webber, | | | Safrano, T. | .35 | 37 |
| T. | .40 | 36 | H. T. | .40 | 36 | Souv. de P. Notting, T. | .35 | 37 |
| Franze Deegan, H. T. | .40 | 36 | Mabel Morrison, H. P. | .35 | 37 | Souv. de Pres. Carnot, | | |
| Frau K. Druschki, H. P. | .35 | 37 | Maman Cochet, T. | .35 | 37 | H. T. | .35 | 37 |
| Flower of Fairfield, Poly. | .40 | 39 | Margaret Dickson, H. P. | .35 | 37 | Sunburst, H. T. | .75 | 35 |
| Gen. MacArthur, H. T. | .40 | 36 | Marie van Houtte, T. | .35 | 37 | Tree Roses | .39 | |
| George Dickson, H. T. | 2.00 | 34 | Marquise de Sinety, H. | | | Ulrich Brunner, H. P. | .35 | 37 |
| Gruss an Teplitz, H. T. | .35 | 37 | T. | .60 | 35 | White Dorothy, Poly. | .40 | 39 |
| Gen. Jacqueminot, H. P. | .35 | 37 | Mildred Grant, H. P. | .35 | 37 | White Killarney, H. T. | .50 | 36 |
| Gloire Lyonnaise, H. T. | .35 | 37 | Mrs. Aaron Ward, H. T. | .60 | 35 | White La France, H. T. | .35 | 37 |
| Hon. Ina Bingham, H. | | | Mrs. A. R. Waddell, H. | | | White Maman Cochet, | | |
| T. | .35 | 37 | T. | .50 | 36 | T. | .35 | 37 |
| Hugh Dickson, H. P. | .40 | 36 | Mrs. Chas. E. Allan, H. | 1.00 | 35 | Wm. R. Smith, T. | .40 | 36 |
| Irish Elegance, S. | .50 | 35 | T. | | | | | |
| Irish Harmony, S. | .60 | 35 | Mrs. David Jardine, H. | .40 | 36 | | | |
| | | | T. | | | | | |

Flower Pots

We carry a large and complete stock of standard red clay Flower, Fern, Azalea Pots, Bulb Pans and Hanging Baskets and can make prompt deliveries at right prices.

Florists, nurserymen and growers should send list of requirements for Special Prices.

FLOWER, FERN, AZALEA POTS OR BULB PANS ALL SAME PRICE.

| Size | Each | Dozen | Saucers Each |
|---------|--------|--------|--------------|
| 2 inch | \$0.02 | \$0.20 | |
| 3 inch | .03 | .30 | |
| 4 inch | .04 | .40 | \$0.03 |
| 5 inch | .07 | .70 | .04 |
| 6 inch | .10 | .90 | .05 |
| 7 inch | .12 | 1.20 | .07 ½ |
| 8 inch | .15 | 1.75 | .10 |
| 9 inch | .25 | 2.50 | .15 |
| 10 inch | .40 | | .20 |
| 12 inch | .60 | | .35 |
| 15 inch | 1.50 | | |

PAPER FLOWER POTS FOR FLORISTS

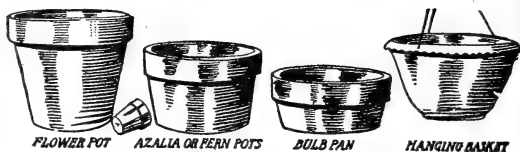
Low in Price, Moisture Proof Unbreakable Light, Convenient.

| | 100 | 1000 |
|----------|--------|--------|
| 2 ½ inch | \$.60 | \$5.50 |
| 3 inch | .80 | 7.00 |
| 4 inch | 1.25 | 11.00 |

HANGING BASKETS.

These are well made and are better than wire baskets, as plants do not dry out so quickly.

8-inch, each, 30c; doz., \$3.00. 10-inch, each, 40c; doz., \$4.25. 12-inch, each 60c; doz. \$6.50



FLOWER POT

AZALEA OR FERN POTS

BULB PAN

HANGING BASKET

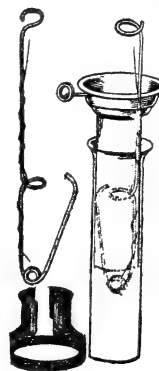
Foster Rose Tubes

FOR ROSARIANS AND CUT FLOWER EXHIBITORS

FOR SHOWING ROSES

The Foster Exhibition tubes with adjustable clips, enable you to transfer flowers from one position to another without disturbing their arrangement. A wire holds the flower firmly in any desired position. Tubes afford an ample supply of water close to the rose. Used at all English shows.

Price, each, 35c; doz., \$4.00.



NOTE.—At above prices we will pack the pots carefully, but buyer must pay freight or express charges. We buy in carload lots and the wholesale trade, florists and nurserymen are requested to send for special prices, stating quantity wanted.

Pruning Tools, Labels, Stakes, Etc.

Pruning Shears.

We have a fine assortment, ranging in prices from 50c to \$1.25 each, postpaid.

Long-Handle Tree Pruners.

Six feet, 75c; 8 feet, 90c; 10 feet, \$1.00; 12 feet, \$1.15. Cannot go by mail. Purchaser will have to pay freight or express charges.

Branch Shears.

Twenty-six-inch handle, 75c; 41-inch handle, 90c.

Pruning Saws.

Crescent — 12-inch blade, 65c; 14-inch, 75c.
Straight Blades — 16-inch, 60c; 18-inch, 65c; 20-inch, 70c.

Grafting Wax.

Price, $\frac{1}{4}$ lb., 10c; $\frac{1}{2}$ lb., 20c; 1 lb., 35c.

Raffia.

For tying plants and buds. Pound, 25c.

Florist's Moss.

Clean and bright, in bales; \$3.00 per 100 lbs.

Budding Knives.

Best grade, from 25c to \$1.00 each, postpaid.

Grafting Knives.

Wood handle, stationary blade, 25c to 35c each.

Pruning Knives.

Best grade, from 50c to \$1.50 each, postpaid.

WOODEN LABELS.

Tree Labels — Painted, wired, per 100, 15c; per M, \$1.00; unpainted, per M, 85c; painted, copper wired, per 100, 20c; per M, \$1.10.

Pot Labels — 4-inch, painted, per 100, 15c; per M, 80c; 5-inch, per 100, 20c; per M, \$1.05; 6-inch, per 100, 25c; per M, \$1.40; 8-inch, per 100, 30c per M, \$1.75.

PLANT STAKES.

Round Cedar — Painted green, white tops, 3-foot, 85c dozen; 3 $\frac{1}{2}$ -foot, 95c; 4-foot, \$1.00; 5-foot, \$1.50; 6-foot, \$2.25.

Bamboo — 4-foot, doz., 25c; 5-foot, 50c; 6-foot

FLORISTS AND COMMERCIAL GROWERS: We carry the largest line of Florists' Supplies in the Northwest. Prompt deliveries at right prices. A trial order will convince. Send for trade list.

JAPANESE TUBS—PORCH BOXES—HANGING BASKETS

Made up to order in any color scheme or special design

Hand Pumps and Sprayers

Premier Bucket Pump

Fig. 561 $\frac{1}{2}$. Brass bucket pump, arranged with suction and discharge hose and spray nozzle, which will throw a solid stream or fine spray. Pump has brass cylinder, plunger and rod, and is particularly adapted for washing windows and wagons, spraying flowers in conservatories, gardens, etc., etc.

Price, complete, \$5.75.

Bordeaux Bucket Pump

Fig. 1129. Brass garden and spray pump; is especially designed for spraying in gardens and greenhouses. The pump is double action in effect; Seneca nozzle, ball valves; proof against the action of acids and oils. Footpiece is malleable iron. Pump is set in pail or bucket, with foot outside. Weight, 6 $\frac{1}{2}$ lbs.

Price, complete, \$4.50



FIG. 561 $\frac{1}{2}$.

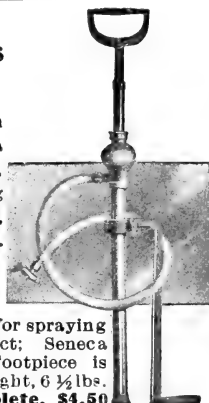
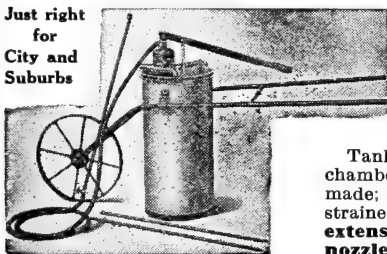


FIG. 1129.



Just right
for
City and
Suburbs

"Ideal" Spraying Outfit

The "Ideal" has been designed for small growers, city and suburban homes, and for all purposes where nothing as large as a barrel or power outfit is needed, and is the right outfit for the poultryman who does much regular spraying or white washing.

Is Light, Compact, Easy to Operate.

Tank holds 15 gallons; will not slop or spill. Pump has large air chamber. Bronze ball valves; valves are removable, cannot clog. Well made; gives a pressure of 150 pounds; has mechanical agitator and strainer for suction. **Outfit complete, 10 ft. 3-8 inch hose, 10-ft. extension in three pieces, one T-handle shut-off, one "Ideal" nozzle; shipping weight, crated, 60 pounds. Price, \$20.00.**

For SPRAYERS, SPRINKLERS, HOSE, etc., See General Catalog.

A Single Application of

KNOXWEED Kills Plantain, Thistle And Other Noxious Weeds—Top and Root

Without injury to your lawn — no digging — no holes to fill up, just a few minutes of your time and the 50c handy dropper can of Knoxweed will destroy the weeds in an average size lawn.

PRICE: Dropper Can, 50c; Half Gallon, \$1.50; Gallon, \$2.50. CANNOT BE MAILED

Fruit and Ornamental Trees Shrubs and Plants

Deliveries can be made from October until June, but orders are accepted at any time for delivery in Season.

PLANTING AND CARE OF STOCK

WE use every precaution to deliver healthy, vigorous stock, but the measure of your success will depend upon the planting and care given, as careless or ignorant handling kills thousands of fine trees and plants every season. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled," do not remove the burlap. Plant as received, only cut the string around the top, then loosen the burlap after the tree is set. If you cannot plant immediately on receipt, always "heel" in the trees so their roots may be in contact with good soil.



The Modern Type of Properly Pruned and Well Grown Fruit Tree.

An hour's exposure of roots to wind or sun may kill any tree; this is especially true of evergreens. In planting cut off the bruised or broken roots with a sharp knife.

If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting the trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. But now comes the important detail, the neglect of which is responsible for many failures—

Be sure to pack the earth solidly around the roots. Leaving the ground loose after planting has caused tremendous losses that are generally and unjustly blamed to the nurseryman. Another cause of great loss is the wind working the newly set trees loose from the soil. This kills them. Always stake newly set trees if in a windy situation. After trees are set, make a plan of the grounds, marking the different varieties, then remove the wire labels, as they may damage the growing limb

PRINCIPLES of FRUITGROWING

By BAILY

516 Pages, Cloth

Post paid \$1.65

KEEPING TREES OVER WINTER FOR SPRING PLANTING.

This can easily be done by following the simple instructions given below: Select a well-drained spot where the soil is mellow, and dig a trench deep enough to cover the roots well; put in one layer of trees, placing them so they will not be erect but at a decided angle; pack the dirt firmly about the roots, then place the next layer. When trees are all "heeled" in, cover the tops with boughs or bank up the earth over them. Be sure there is no grass or rubbish near to harbor mice. In mild situations where winters are not severe, do not bury or cover the tops; simply "heel in." Trees thus kept on hand ready for planting as soon as the frost is out of the ground will be found well preserved and are more sure to grow than later spring planting. Besides, you get better service by ordering in the early fall as stocks are more complete.

☛ If trees are frozen in transit, do not unpack, but set away in a cool cellar and allow them to thaw gradually. Trees or roses that are dried out and shriveled should be buried, tops and all, in moist earth for a few days. This will restore them.

FRUIT STOCK

IN THE purchase of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits and their adaptability to varying conditions, and if you will state whether you intend growing for distant or local market or for home use, giving location and general conditions, we can recommend or assist in the selection of those varieties that will give you best results.

APPLES

☛ This is the year to plant Apple trees. Stocks were never better and prices are very low. Write for quotations on large orders.

Prices of standard commercial varieties except where noted:

| | Each | Per 10 | Per 100 | Per 1000 |
|--------------------------------|--------|--------|---------|----------|
| First Grade, 4 to 6 feet..... | \$0.15 | \$1.25 | \$11.00 | \$100.00 |
| Second Grade, 3 to 4 feet..... | 12½ | 1.10 | 10.00 | 90.00 |

SUMMER VARIETIES

EARLY HARVEST

Medium size; bright straw color; tender and fine; good for table and cooking. July.

GOLDEN SWEET

Large, pale yellow, tender and rich; good for cooking; fine bearer. August.

GRAVENSTEIN

Large, beautifully dashed with deep red and orange; tender and crisp, with a highly aromatic flavor; tree very vigorous. August.

AUTUMN VARIETIES

RAMBO

Medium, yellowish white, streaked yellow and red; tender, rich and sub-acid; very productive. September to November.

WAXEN

Fruit medium; skin pale yellow; flesh crisp, tender, juicy, sharp acid; one of the best for drying. October.

FALL PIPPIN

Yellowish green; good cooking apple. September.

MAIDEN'S BLUSH

Medium, well shaped; yellow, with a very distinct red cheek on the sunny side; flesh white; pleasant sub-acid flavor; excellent for table or cooking. September.

ARKANSAS BLACK

Medium, round; yellow where not covered with a beautiful dark maroon, approaching black; flesh firm, fine grained, juicy; a long keeper. December to April.

BALDWIN

Large, rounded; deep, bright red; very productive; crisp, fine flavor; one of the best and most popular winter apples. November to February.

BEN DAVIS

Medium to large; yellowish, overspread with red; flesh white, tender, juicy; pleasant sub-acid; thrifty, upright grower. October to January.

LAWVER

(Delaware Red). Large, rounded flat, mild sub-acid, very heavy and hard; dark red; handsomest late keeper. December to May.

ORTLEY, OR WHITE BELLEFLOWER

White fleshed, fine grained conical fruit of superior flavor; one of the best. December to April.

HYDE'S KING OF THE WEST

Large to very large; handsome yellowish green; good quality; a remarkable keeper; a very popular sort in some sections. November.

ROXBURY RUSSET

Medium, dull green and russet; flesh greenish white, rich sub-acid flavor. October to January.

RED CHEEK PIPPIN

Excellent variety; sub-acid flavor; yellowish green color; red cheek; large size; good bearer. Keeps till March.

ROME BEAUTY

Large, yellow, shaded with bright red; juicy and sub-acid; fine market sort; good bearer. November to February.

WEALTHY

Medium, whiteish yellow, shaded with deep red; flesh white, tender and juicy. October.

RED JUNE

Medium, oblong, deep red; excellent for table use; one of the best early apples.

RED ASTRACHAN

Large, deep crimson, flesh white, moderately juicy, with an agreeable rich acid flavor; very productive. August.

YELLOW TRANSPARENT

Medium size, roundish, slightly conical; skin pale yellow; flesh tender, juicy, sub-acid; good; bears at an early age. July.

TWENTY OUNCE

Large and showy; good, though not highly flavored; flesh coarse, brisk sub-acid. October.

FAMEUSE

(Snow Apple.) Medium, roundish, greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; fine dessert fruit. October to December.

GOLDEN RUSSET

Medium, dull russet, with a tinge of red; flesh crisp, juicy and highly flavored. September.

GLORIA MUNDI

Large green, fine sauce apple. Last of September.

WINTER VARIETIES

WINESAP

Medium yellow ground, streaked with red; flesh yellow, with rich, high flavor; excellent for table and making cider. December to April.

WOLF RIVER

Large and handsome; greenish yellow shaded with dark and light red; tree a strong grower and good bearer. September to November.

WAGENER

Good size; deep red in the sun; flesh firm and fine grained; good keeper; sub-acid; excellent filler; requires thinning. October to December.

STARK

Large, greenish yellow, shaded and splashed with dark red; flesh yellowish, juicy, mild sub-acid; a long keeper and profitable market fruit; thrives in California. December to March.

TALMAN'S SWEET

Medium size, pale, whitish yellow, tinged with red; flesh firm; rich and very sweet; best to preserve; vigorous, productive. November to April.

YELLOW BELLEFLOWER

Large, oblong, yellow, sometimes a blush in the sun; flesh firm, crisp, juicy, sub-acid; tree a good grower and very productive; succeeds well in this valley. October to January.

SPITZENBERG

Large, oblong; yellowish ground with broken stripes of bright red; flesh yellowish, juicy, delicious rich flavor. November to March.

JONATHAN

Tree vigorous, long lived and an early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollinizer with Spitzenberg and Newtown. October to January.

WINTER APPLES—Continued

KING

Large and handsome, striped red and yellow; tree vigorous and productive. November to December. Good mountainous apple.

MAMMOTH BLACK TWIG

Very large; bright red, pleasant sub-acid; fine late keeper; fine, vigorous tree. November to January.

NORTHERN SPY

Large, round, greenish yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for "top work." Requires good soil. December.

MCINTOSH RED

A seedling of the Fameuse; bright red, flesh white, very tender and delicious. Long lived and very productive. Adapted to Montana. November.

RHODE ISLAND GREENING

Large, greenish yellow; flesh yellow, fine grained, tender, crisp, juicy and aromatic; excellent for cooking and table. October.

YELLOW NEWTOWN PIPPIN

Large; skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties for export. December to May.

GRIMES GOLDEN

Very popular. Rich golden yellow; flesh tender, juicy and rich. Tree hardy and vigorous, bearing young. November to December.

NEW VARIETIES OF APPLES

Note prices following each variety. Nice stocky trees.

WINTERSTEIN

A winter apple of the Gravenstein type; flesh yellowish, very tender, rich, spicy, sub-acid, highest quality, with a flavor all its own.

Price, each, 60c

OPALESCENT

Probably the handsomest apple ever introduced. Color light, shaded to a very dark crimson; skin smooth; susceptible of a very high polish reflecting objects like a mirror; flesh yellowish, tender, juicy and good.

Price, each, 60c

MULTNOMAH (New)

A grand new sort; a hybrid between the American Pippin and Rome Beauty. Originated by H. A. Lewis. Fruit large; color red, striped yellow; flesh white and fine and of sub-acid flavor; extra long keeper and in its prime from February to June; the coming apple for long distance shipment and Oriental trade.

Price, each, 60c

CRAB APPLES

Nice stocky trees, each, 35c; per 10, \$3.00

FLORENCE

Large, handsome; red striped; early; good annual bearer, juicy and crisp; fine for the home garden. September 1.

MARTHA

Glossy yellow, shaded to red; fine for cooking and fair for eating fresh; tree handsome, vigorous and hardy. September.

TRANSCENDENT

Very large, pleasant flavor and good for cider; yellow striped red. Very productive. Adapted to Montana. September.

DELICIOUS

A splendid apple; coming into prominence rapidly. Tree vigorous and hardy and the fruit equals the name in every respect. Fine for market and home use and especially adapted to Eastern Oregon and Washington. Keeps till April.

STAYMAN WINESAP

A seedling of the Winesap. Yellow striped with red. Flesh firm, crisp, juicy and very tender and rich, sub-acid. A drought resister; a profitable market variety. January, May.

LADY APPLE

A novel, dainty, small flat apple; red cheek. Good Christmas fruit. Tree upright and vigorous.

KING DAVID

A cross between Jonathan and Arkansas Black. Color deep, rich red. Tree a young and heavy bearer. November to March.

SALOME

Early and annual bearer; very hardy; fruit medium and uniform; quality good. November.

GANO

Fruit is a bright red on yellow ground, large oblong, smooth. Tree vigorous and prolific bearer. Fine keeper. November to April.

ONTARIO

A cross between Wagener and Northern Spy. Fruit large to very large; flavor a brisk sub-acid, sprightly, slightly aromatic; season mid-winter to late. Price, each, 60c

CLAYTON

Winter; large, yellow, striped red; productive. December to January. Price, each, 25c

BISMARCK

The apple novelty; everyone should try it; tree of short, stocky growth, thick, healthy foliage; fruit large, handsome, yellowish sometimes shaded red cheek; flesh tender, pleasantly sub-acid; entirely new; seldom failing to bear when two years old. September.

Price, each, 35c

WINTER BANANA

Fancy market fruit; pale yellow with pink blush. Has a delightful aroma and suggestive banana flavor. Not a good shipper. November.

Price, each, 20c

YELLOW SIBERIAN

Fruit small, fine golden yellow. Good. August.

HYSLOP

Large, deep crimson; tree hardy, fine for the West. November, January.

RED SIBERIAN

Yellow with scarlet cheek. Bears young and abundantly. September.

WHITNEY NO. 20

Tree thrifty, upright grower. Fruits large, striped; flesh firm and juicy. Very good. August.

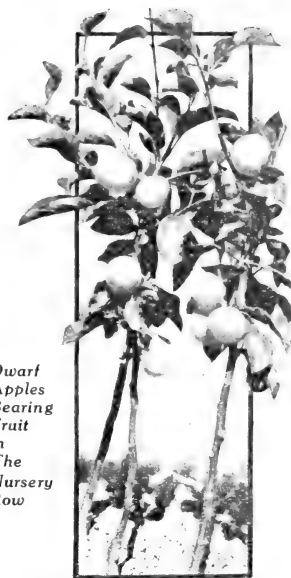
DWARF FRUIT TREES

THESE are ideal for home gardens: come into bearing early and yield large crops of choicest fruits. Forty Dwarf Trees can be planted in a space 50 feet square and will not shade the ground, which can be cultivated between the trees. For best results Dwarf Trees must be planted in good rich soil and be well cared for; they should be pruned back about two-thirds of their new growth each spring.

DWARF APPLES
 Baldwin Jonathan Yellow Transparent Gravenstein
 Wealthy Bismarck Rome Beauty Red Astrachan

DWARF PEARS
 Bartlett, Fall Butter, Comice, Beurre d'Anjou, L. B. de Jersey, Shelton
Price, each, 35c: 10, \$3.25; 100, \$30.00

DWARF FRUIT TREES make profitable "fillers" for young orchards and are best for Home Gardens. Our stock is large--varieties and quality the finest.



Dwarf Apples Bearing Fruit in The Nursery Row

CHERRIES

| First Grade, 2 years | | | |
|----------------------------------|--------|---------|----------|
| Each | Per 10 | Per 100 | Per 1000 |
| \$0.30 | \$2.75 | \$25.00 | \$225.00 |
| First Grade, 1 year, 4 to 6 feet | | | |
| Each | Per 10 | Per 100 | Per 1000 |
| \$0.25 | \$2.25 | \$20.00 | \$180.00 |

New--THE "BURBANK"

Luther Burbank describes this as the largest of all early cherries and unsurpassed in quality; a rich, fine flavored dark red cherry, sweeter than other early varieties; a good shipper, vigorous grower and never failing producer. Foliage is large and so placed as to protect the fruit from rain and birds. **4 to 6 feet—select trees each, \$1.00; dozen, \$9.00**

LAMBERT

Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann. Mid-July.

MAY DUKE

Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class. May.

MILLER'S LATE

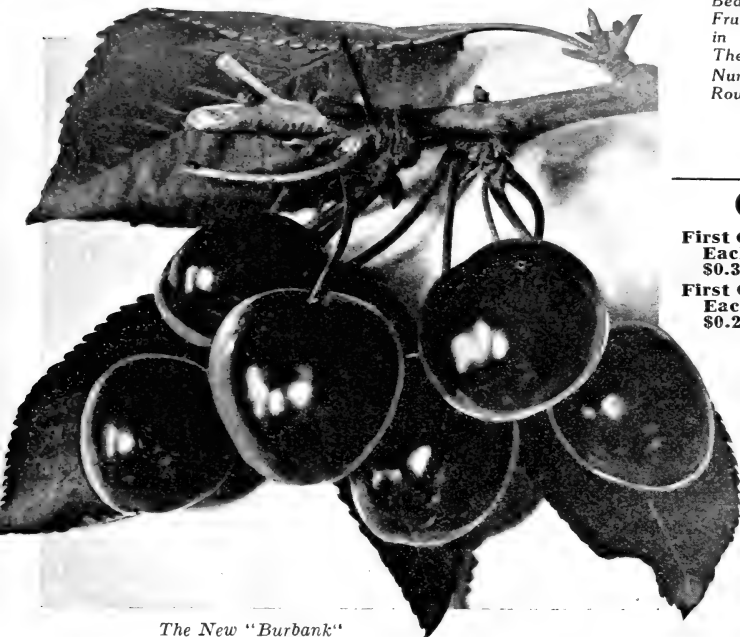
This new cherry resembles the Late Duke in color, shape and flavor, but it is a larger and later variety, which makes it very valuable and desirable. August. Price, each, 60c

NEW GIANT

Claimed by the originator to be equal in every way to the famous Lambert, but to possess the good points of being a larger and later cherry. A strong, vigorous grower; heavy cropper. **Each, \$1.60; large trees, \$1.50**

ROCHALINE (New)

A new German cherry, larger and redder than the Royal Ann; better shipper and more prolific bearer. **Each, 60c**



The New "Burbank"
BING

Originated in Oregon, from seed of Black Republican; fruit large, dark brown or black; very fine; late; a good shipping variety. July.

BLACK REPUBLICAN (Lewelling)

Seedling, raised by Seta Lewelling, of Oregon; large size, black, sweet, with purplish flesh; late and a good shipper. June.

KENTISH (Early Richmond)

Dark red, juicy; one of the best sour cherries and unsurpassed for cooking purposes; very productive. Mid-May.

LATE DUKE

Large, light red; late and excellent, sub-acid. Late July.

OREGON

Large, black, solid, free, vigorous and productive; a fine shipper. July.

ROYAL ANN

(Napoleon Bigarreau.) A magnificent cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red, and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer. July 1.

APRICOTS

A
PLANET Jr.
is the best
Orchard
Cultivator.
Ask for
Free
Booklet.



The Lewis Apricot here illustrated is the largest, handsomest and one of the hardiest, best-flavored apricots.

Prices except where noted:

First Grade, 4 to 6 feet.

| | | |
|-------------|-----------------|---------------|
| Each | \$ | .25 |
| 10 | ..... | 2.25 |
| 100 | ..... | 20.00 |
| 1000 | ..... | 160.00 |

THE LEWIS

The new Lewis Apricot is the largest, strongest growing, best yielding, best flavored apricot we have ever seen, and is perfectly hardy. Grown extensively in the "Good-noe Hills" district. July, August.

Special prices in large lots. **Price, each, 50c**

MOORPARK

Very large, yellowish green, brownish red on the sunny side; flesh bright orange; fine for canning and drying; July, August.

ROYAL

Above medium size; sweet, rich, juicy; good dryer and canner. July.

TILTON

Large; rich color, high flavor; very productive; similar to Royal; later. July.

BLENHEIM

Deep orange, sometimes blushed; tender, rich and juicy. Tree vigorous. Good for Pacific Coast. Last of June.

HEMSKIRKE

Large, flesh bright orange; tender, plum like flavor. July.

PEACHES

| | | | | |
|--------------------------------------|--------------------|----------------------|------------------------|--------------------------|
| First Grade, 4 to 6 feet..... | Each \$0.25 | Per 10 \$2.00 | Per 100 \$17.50 | Per 1000 \$160.00 |
| First Grade, 3 to 4 feet..... | .20 | 2.00 | 15.00 | 140.00 |

EARLY ALEXANDER

One of the largest and best of the extra early varieties. Almost freestone. July.

EARLY CHARLOTTE

Hardy, medium early, excellent flavor; originated in Oregon. Freestone.

EARLY CRAWFORD

Very large, yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone. August.

ELBERTA

Very large, bright yellow, red cheek; flesh yellow; juicy, sweet; regular bearer; fruit very showy and perfect; freestone. Late July.

FOSTER

Large yellow, dark red on the sunny side; very rich, juicy and early; freestone. Late July.

LATE CRAWFORD

Very large, roundish; yellow, with dark red cheeks; flesh deep yellow; juicy and melting; flavor rich and excellent; freestone; valuable for canning and drying. September.

MUIR

Large, pale yellow; very firm and sweet; best for drying; freestone. August.

MAYFLOWER

Beautiful red all over; extremely early; tree hardy and healthy. Should be in every home and commercial orchard. Last of June. Free.

CHAMPION

Large, cream white, slightly blushed. Tree hardy; should be in every orchard. July. Free.

HEATH'S CLING

One of the best of the clings. Very large; creamy white, with slight red; flesh white. September.

TUSCAN CLING


Very large; yellow, blushed red. Vigorous and strong grower. July and August.

CROSBY

Medium; rich orange with slight red blush; freestone, pit small, flesh yellow, sweet and juicy. Good shipper; rank grower. Ripens before Crawford's Late.

KRUMMELL OCTOBER

A magnificent peach; very profitable. Ripens two weeks after Salway, but far better; a good keeper. Free from bitterness, very firm and fine texture. Tree vigorous, hardy. Good for State of Washington. Free.

 Where conditions are right Peaches are a quick-growing, profitable orchard crop. There is always a ready market at a good price.

PRUNES

IF you can — **Grow Prunes** — the demand is always good and will increase every year as they can only be grown in certain sections, but where conditions are right they are easily and profitably produced.

| | Each | Per 10 | Per 100 | Per 1000 |
|--|---------------|---------------|----------------|-----------------|
| PRICES — First Grade, 1 Year 4 to 6 feet. | \$0.20 | \$1.50 | \$13.00 | \$110.00 |
| First Grade, 1 Year, 3 to 4 feet. | .15 | 1.25 | 11.00 | 90.00 |

ITALIAN — Fellemborg — Large oval, tapering at both ends; dark purple; flesh greenish yellow; separates freely from the stone; best for drying. August.

SILVER — Seedling of the Coe's Golden Drop; tree vigorous and productive; fruit large and superior; excellent for drying or canning. September.

PETITE — French — Medium, egg shaped; violet purple; sweet, rich and sugary; very productive; standard variety for drying. August.

GIANT — Largest prune known; fruit averaging 1½ to 2 ounces each; retaining the good qualities of the smaller varieties.

HUNGARIAN — Very large; dark red, juicy and sweet; good shipper. August.

SUGAR — New — Tree vigorous grower; early variety; fruit ripens 28 days before the French; is four times as large and dries in half the time; flesh tender and rich in sugar; color dark purple. Early. August.

PLUMS

| | | |
|--|---------------|----------------|
| Prices except where noted: Each | Per 10 | Per 100 |
| First Grade, 2 years. | \$0.25 | \$2.50 |
| First Grade, 1 year, 4 to 6 ft. | 20 | 2.00 |
| | | .15.00 |

ABUNDANCE — Fruit large and beautiful; bright cherry; flesh light yellow; juicy, tender, sweet; productive; freestone. June.

BRADSHAW — Reddish purple, juicy and pleasant; adheres partially to the stone. July.

COLUMBIA — Largest size, nearly globular; brownish purple; rich, sugary, freestone. August.

DAMSON — Small oval, bluish purple; flesh melting, rather tart. Tree very fruitful and hardy. August.

DAMSON — Shropshire — Medium size, dark purple; very firm; flesh greenish, juicy and rich. Vigorous. Late September.

SATSUMA — Blood Plum — Quite popular large, dark red from skin to pit, which is small, firm and juicy; tree productive. Early July.

MAYNARD — Dull red, large, round and firm; rich and sweet; sturdy, quick-growing, heavy-yielding variety; extra fine; ripens in July.

Each, \$1.00.



Sugar Prunes

YELLOW EGG — Very large; skin of a deep golden color, but rather acid; excellent for cooking; very showy. August.

GREEN GAGE — Small round; flesh pale green, melting and juicy; freestone. Mid-July.

BURBANK — Medium; globular; cherry red, with lilac bloom; flesh yellow; bears very young. Late June.

PEACH — Very large; skin brownish red, slightly coarse grained, but juicy; freestone; very popular. July.

WASHINGTON — A large plum; skin dull yellow, with a pale crimson blush; flesh firm; very sweet and luscious; freestone. Early August.

NECTARINES

PRICES: 4 to 6-ft., each, 25c; 10, \$2.00; 100, \$17.50

BOSTON

Large, deep yellow, bright blush; flesh yellow; very rich and luscious. Best for Oregon. August 1.

EARLY VIOLET

Medium; skin pale, shaded violet; flesh white; good. July.

Our **FERTILIZER BOOK** gives Analyses, Prices, Crop Requirements and much other Valuable Information that is Dependable and Helpful.

Let Us Send You A Copy FREE

PEARS

Comice

A
Real
Money
Maker

| | Each | Per 10 | Per 100 | Per 1000 |
|---|--------|--------|---------|----------|
| First Grade, 4 to 6 feet, 1 year | \$0.30 | \$2.75 | \$25.00 | \$225.00 |
| Second Grade, 3 to 4 feet, 1 year | .25 | 2.25 | 20.00 | 180.00 |

50 at hundred rate—500 at thousand rate.

SUMMER VARIETIES.

Bartlett.

Large; skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best Summer pear in existence. August, September.

AUTUMN VARIETIES.

Seckel.

Rich and highly flavored; its highly concentrated, spicy, honey flavor is unequaled; skin brownish green, russet brown cheek; flesh whitish, buttery and melting September, October.

Beurre Bosc.

Large, beautiful, russety; highly flavored; fine for shipping. September.

Louise Bonne De Jersey.

Large, greenish yellow, brownish red in the sun, marked with gray dots; flesh juicy, melting; very prolific. October.

Beurre Clairgeau.

Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy. September.

Beurre D'Anjou

Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

Fall Butter.

A favorite Fall pear; yellow, sweet and juicy. September.

Comice.

A splendid commercial variety, being of fine size; good appearance; ships well. October.

See page 45 for DWARF PEARS.

WINTER VARIETIES

ROOSEVELT (New)

Size very large, shape roundish. Flesh fine texture, juicy, melting. Ground color yellow, clouded with salmon rose. Season October.

Price, each, 75c

LINCOLN CORELESS

Practically coreless; very late. Fruit should be picked when green. Large, quality good. Fairly hardy and good bearer.

CROCKEE BARTLETT (New)

In shape, oblong, large and of a rich golden color. Skin rather thick but tender; flesh yellowish, buttery, juicy, sub-acid to sweet and very rich. Tree very vigorous, so far unblighted. October. Price, each, 50c; per 10, \$4.50.

WINTER BARTLETT

This fine pear originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; flavor almost identical with the Bartlett; is undoubtedly one of the few pears of recent introduction of real merit. Price, each, 50c; per 10, \$4.50.

BUERRE EASTER

Large, oval, yellow, with red cheek; excellent winter pear.

WINTER NELIS

Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained, of a rich saccharine, aromatic flavor. December.

QUINCE

Prices except where noted:
First Grade, 4 to 6 feet

Each Per 10
\$0.50 \$4.00

CHAMPION

Large, yellow; flesh cooks very tender; flavor is most delicious; more productive than the Orange. October.

APPLE OR ORANGE

Well known standard variety; early; large, golden yellow; good for preserving or flavoring. September.

PINEAPPLE

Flavor is suggestive of the pineapple; the fruit resembles the Orange quince; making superior jelly; can be eaten raw and has a most exquisite and delicious flavor, not equalled by any other quince. September.

Price, select, 1 year, 50c; 2 years, 75c.

TREE TANGLEFOOT FOR CATERPILLARS, MOTHS AND WORMS
Price: 1 lb. 30c; 3 lbs. 85c; 10 lbs. \$2.65; 20 lbs. \$4.80.
PROTECTS AGAINST ALL CLIMBING INSECTS. 1 LB. MAKES A BAND 9 FEET LONG.

GRAPES

Prices except where noted:

2-year Plants..... Each, \$0.15;
per 10, \$1.50; per 100, \$8.00; per 1000, \$70.00

If wanted in large numbers, write for prices

CONCORD

Large, black grape; bunches compact; berries round, sweet and pleasant. August.

DELAWARE

One of the finest of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red. August.

McKINLEY (New)

A new early white grape of great merit; a strong, vigorous grower; thick, healthy foliage, and perfect self-fertilizing blossoms; bunches large and compact; fruit large, nearly round; very sweet, with no acid around the seeds, and no puckery taste in the skin; skin thin, green at first, then turning to yellow; bears handling and shipping well. August.

Prices, 2-year, each, 25c; 10, \$2.25

NIAGARA

Bunch medium; berry large, roundish, uniform; skin thin but tough; pale yellow; flesh tender and sweet; vine vigorous and productive; one of the best white grapes. September.

CAMPBELL'S EARLY

Berries large, nearly round, black, with light purple bloom; flesh rather firm but tender; quality rich, sweet, slightly vinous; a strong and vigorous grower. August.

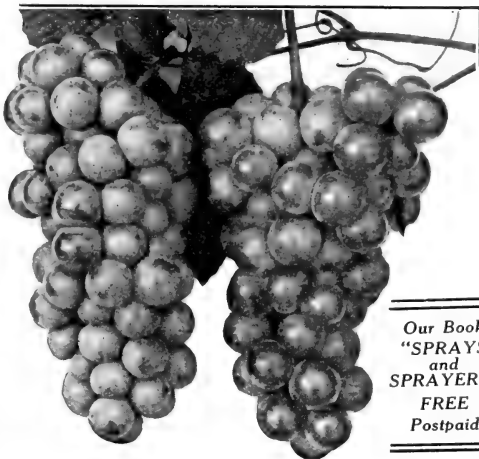
Price: 1 year, each, 20c; 10, \$2.25.

Price: 2 years, each, 25c; 10, \$3.25.

MOORE'S DIAMOND

Bunches large; berry greenish white, flesh juicy and almost without pulp.

Thompson's Seedless, Tokay, Muscat, Malaga and other European Varieties, Choice Plants at above Prices



Our Book
"SPRAYS
and
SPRAYERS"
FREE
Postpaid.

McPIKE (New)

Bunches are large and compact; grapes of uniform extra large size of a blue black, covered with bloom. Ripens evenly and is of perfect quality; hardy everywhere. September.

Price, 2-year, 25c; 10, \$2.25

MOORE'S EARLY

Bunch medium; berry large, resembling Concord, but more pulp and is earlier.

POCKLINGTON

Vine very vigorous, hardy and productive; bunch and berry of good size; color a light lemon yellow; flesh moderately tender, sweet. September.

WORDEN

Bunch very large and compact; berry large, black; an improved Concord. Late August.

CURRENTS

Currents are a profitable easily grown crop, and the market is always good.

Prices except where noted..... Each, \$0.10; Per 10, \$0.75; Per 100, \$5.00; Per 1000, \$45.00

New Varieties

PERFECTION

New; largest and most prolific Currant; bright red, rich flavor, mild sub-acid; no currant can approach in yield or quality this wonderful new currant.

Strong Plants, each, 15c; 10, \$1.25; 100, \$10.00

POMONA

A splendid new red variety; good keeper; has the record for acreage yield. About the size of Perfection and comes a little later.

Strong Plants, each, 15c; 10, \$1.25; 100, \$10.00

BELLE DE BOSKOOP

A splendid new black currant excelling in quality and productiveness. A hardy, vigorous, grower; the largest and best black currant.

Strong Plants, each, 35c; 10 for \$3.00.

White Currants

WHITE TRANSPARENT

The best white currant known. To be classed with the Perfection red. Splendid for market and table use; berries large, having a rich flavor; mild sub-acid. Vigorous and very productive.

WHITE GRAPE

Large, yellowish white, valuable for the table.

BLACK NAPLES

Very large, black, rich, tender and fine for jellies and wine. Productive and vigorous.

Standard Varieties

CHERRY

Very large; deep red; fine for preserving; valuable market variety.

FAY'S PROLIFIC

Bright red, very sweet, stems longer than Cherry and fruit hangs on better than most varieties. To be planted with Cherry.

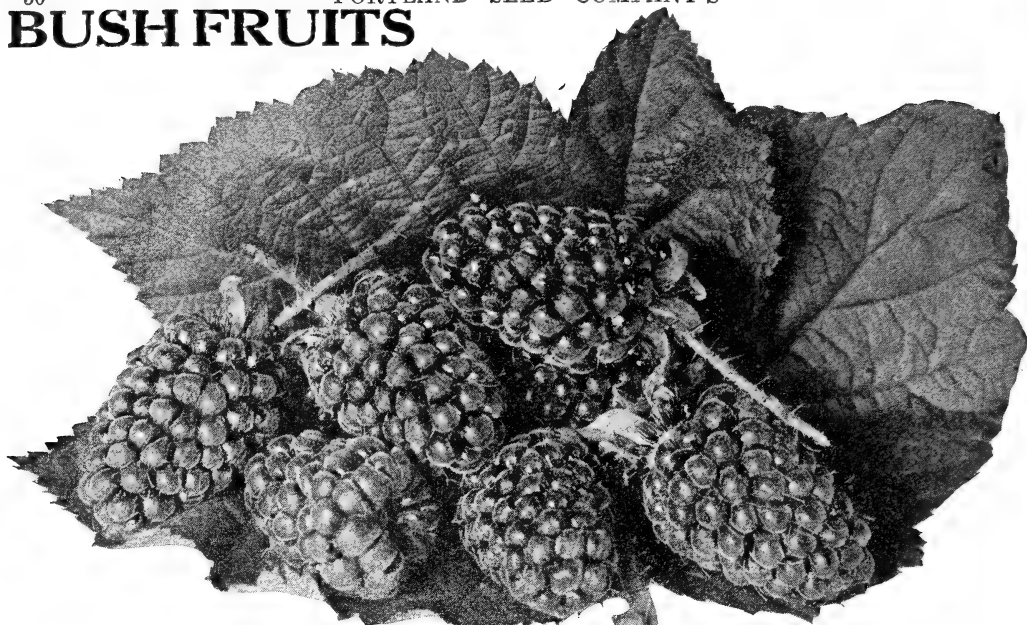
NORTH STAR

Strongest grower among red varieties; bunches average four inches in length; extra quality; very productive.

VICTORIA

Large, bright red bunches, very long; an erect grower; late, productive and very valuable.

BUSH FRUITS



Logan Berry

Loganberries are in big demand and orders should be placed EARLY.

The fruit is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry, a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Fruit ripens early, the bulk being gone before the blackberries or raspberries become plentiful. It is excellent for the table, eaten raw or stewed and is excellent for jelly or jam. June. Large well rooted plants.

Price, each, 15c; per 10, \$1.25; per 100, \$7.00.

Burbank's Phenomenal

"Larger than the largest berry ever before known." Bright crimson raspberry color, productive as could be desired, and most delicious of all berries for pies, canning jellies or jams. Sweeter than the Loganberry. Easily grown, stands shipping well, and hardy everywhere.

Compared with the Logan the color and general form are much the same the first season, particularly if the growing conditions have not been favorable, but when once established they have no equal in size, quality or productiveness. July 1.

Price, each, 20c; per 10, \$1.75; per 100, \$10.00

BLACKBERRIES

BLOWERS

A new variety, said to be the best; very productive and a good shipper; exceedingly sweet. Ripens just after the Erie. July. Price, each, 15c; 10, \$1.25; 100, \$10.00; postpaid, each, 20c; per 10, \$1.75

ERIE

Large, coal black, round; standard variety. Vigorous. July

Each, 8c; 10, 60c; 100, \$5.00

EVERGREEN

An Oregon introduction; beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to November.

10 for \$1.25; 100 for \$10.00

Postpaid, each, 20c; 10, \$1.50

HIMALAYA GIANT

An exceedingly strong, rampant grower of a trailing nature; everbearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor. Its deep rooting qualities enable it to produce a large, firm berry even in a very dry season.

Postpaid, each, 20c; doz., \$2.00

Freight or Express, each, 15c; doz., \$1.50

LAWTON

Fruit large; very productive; well and favorably known; Oregon's most popular kind. Each, 8c; 10, 60c; 100, \$4.00; 1000, \$30.00

NEW MAMMOTH

This wonderful new blackberry is a rampant grower, of trailing habit; the foliage is large, thick, of a deep green color. It is enormously productive and exceedingly early, ripening three weeks before other cultivated kinds. Fruit is enormous, specimens measuring 2½ inches long; seeds small, soft and abundant; cores small and soft. In size and flavor it surpasses all other varieties of blackberries. July 1.

Two-year-old, each, 20c; doz. postpaid \$2.00 by express or freight, doz., \$1.50; 100, \$12.50 One year old (tips), ea., 15c; 10, postpaid, \$1.25

By express or freight, 10, \$1.00; 100, \$8.00

KITTATINNY

Large, roundish, conical, glossy black, juicy, sweet, excellent when fully ripe. July. Each, 8c; 10, 60c; 100, \$5.00.

ELDORADO

A valuable new variety; fruit large, jet black, melting, sweet and rich; hardy and very productive; fine for Oregon.

Each, 10c; 10, 90c; 100, \$7.00 Postpaid, each, 15c; 10, \$1.25

Raspberries—Red Caps

Prices except where noted..... Per 10, \$0.50; Per 1000, \$3.00; Per 1000, \$15.00

THE IMPROVED SUPERLATIVE

A New Berry of Great Merit

The color is a soft red crimson. The berry large and firm, with very small, brittle seeds. The healthy, vigorous growth, remarkable productiveness, hardiness, immense size, handsome, uniform shape and rich, luscious flavor make the "Superlative," from the shippers' standpoint, a most desirable berry. It is firm, disease resisting, and earlier than Cuthbert.

Price: Each, 20c; doz., \$2.00, postpaid; freight or express, 1 doz., \$2.00; 100, \$12.50.

CUTHBERT

Deep rich red, large and firm; one of the best market berries. Very strong, hardy and productive; ripens medium to late.

MARLBORO

Standard, light crimson, large, very firm; should be planted with Cuthbert as commercial variety; ripens early.

HERBERT

Three in one; splendid, large, bright red; strong grower and very productive; originated in Canada; should be tried by every planter.

Strong Plants, each, 15c; 10, \$1.25

RASPBERRIES—Black Caps

Prices except where noted:

Choice well rooted plants, each, 10c; per 10, 90c; per 100, \$6.00; per 1000, \$40.00.

CONRATH

The Best Early Blackcap

A black raspberry of superior quality, being ten days earlier than Gregg, coming in with the earliest reds. One-sixth of an acre of Conraths produced 38 24-pound crates, netting the grower \$76. We especially recommend the Conrath as the best "blackcap" for Oregon. Try it.

Choice, well-rooted plants, each, 15c; 10, \$1.25, postpaid Freight or express, 10, \$1.00; 100, \$8.00

COLUMBIAN—PURPLE.

A cross of the black and red raspberries combining the flavor of both. Berries are large and easily picked, the yield is heavy and the vines are hardy and vigorous, give same training and care as black caps **Price, strong plants, postpaid, each, 15c; 10, \$1.25. Express or freight, 10 for \$1.00; 100, \$8.00.**

CUMBERLAND

Black; very large; similar to Gregg if not better.

KANSAS

Black. Similar to Gregg, ripening earlier. Good commercially; strong grower and productive. Drouth resistant.

MAMMOTH

Black, good quality. Not yet thoroughly tested.

MUNGER

Black, very good, juicy and fine for home use.

GREGG

Of good size, fine quality; very productive and hardy. It takes the same position among black caps as Cuthbert among the red sorts.

PLUM FARMER

New; very promising as a table and market berry; large black, hardy and productive. Good quality. **Strong plants, postpaid, each, 15c; 10, \$1.25. Express or freight, 10, \$1.00; 100, \$8.00.**

GOOSEBERRIES

Prices except where noted..... Each, \$0.10; Per 10, \$0.80; Per 100, \$5.00; Per 1000, \$45.00

OREGON CHAMPION

Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular sort we have.

HOUGHTON

Vigorous grower, abundant bearer; fruit of medium size, pale red, sweet and juicy.

RED JACKET (JOSSELYN)

Of large size; smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage.

Each, 15c; 10, \$1.25; 100, \$12.00

DOWNING

Large, light green; soft juicy and good. Vigorous and very productive.

INDUSTRY

Very large, dark red, of delicious flavor; the best of all English varieties. Bushes strong, upright and very productive.

Each, 15c; 10, \$1.25; 100, \$12.00

PEARL

Large, light yellowish green; very hardy and free from mildew; superior in size and quality. Very prolific.

Dewberry

Price..... Each, \$0.10; Per 10, \$0.75; Per 100, \$7.00

LUCRETIA

Very popular, trailing vine. Fruit large, soft, sweet and with no hard core. Hardy, good for this Coast. Last of May.

GARDENIA

Large glossy black; delicious; heavy bearer; trailing vine. June.

New
Oregon

Delicious
Solid
Rich
Red
Berry
of the
Largest
Size



STRAWBERRY PLANTS are a great specialty with us, and our select strains of **New Oregon, Gold Dollar, Marshall, Magoon, Clark's Seedling** and other Western varieties, many of which were introduced by ourselves, still hold their position as the **leading commercial varieties of the Northwest**, and are being planted more extensively each season. Thus demonstrating by actual market and growing tests the great superiority of our Western varieties, against the keenest competition from all sections.

"Diamond Quality" Strawberry Plants are large, vigorous and healthy. They are heavily rooted and have large, full crowns; have been carefully grown, and are free from disease and pests. We dig as ordered and pack for shipment in ventilated crates of 500 plants each, crowns up. **They are grown from our select strains and are always true to name; no substitution is ever allowed without the full knowledge of the purchaser.**

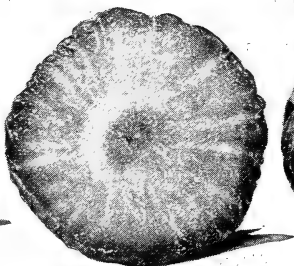
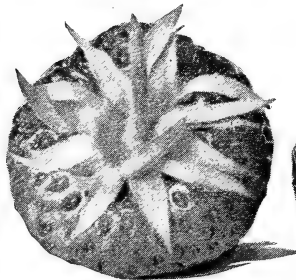
Better Strawberries or larger crops are not produced anywhere than right here in the Northwest, and the handsomest—firmest—best colored—richest flavored strawberries are our western varieties.

THEY ARE BEST for WESTERN GROWERS

Care For and Feed Your Plants

Neglect is the prime factor in strawberry failures, and most strawberry beds suffer from lack of attention and starvation. Proper fertilization and intelligent culture insure enormous crops of finest fruit and freedom from diseases and pests. White grubs, cutworms, crown miners, etc., can all be controlled by preventive measures. Never set strawberries in or near clover sod or hay fields. Such ground should have at least two years cultivation before using

for strawberries. Remove the mulch directly after fruiting. This helps to control many evils. For helpful details of care and culture, see our **Strawberry Booklet, 32 pages, sent free on request.**



"GOLD DOLLAR"
Earliest and Best

of All
Early
Strawberries

Always
Solid
Clear
Through

The strawberries here offered have all stood the market test and you will be safe in selecting any one of them that will suit your conditions and requirements. They are the best varieties obtainable.

STRAWBERRY PLANTS—Continued

NEW OREGON—Our Own Introduction

Best, Most Uniform, and Heaviest Yielding Main Crop Strawberry

"**NEW OREGON**" is large, firm and of fine form, averaging 15 to the quart box, color a brilliant, deep, rich red, having a glossy varnished appearance when fully ripe. This dark blood red coloring extends through to the very center, and, no matter how large, the "**NEW OREGON**" is never hollow. When fully ripe "**NEW OREGON**" has a distinctive flavor suggestive of the wild berry, is crisp and delicious, and will remain on the vine for three days without injury, keeping perfectly for many days after picking stands handling and long shipments and will hold its color, shape and flavor when canned.

"**NEW OREGON**" is an early and continuous bearer, being ready for marketing the first half of May in the Willamette Valley and holds up in size and quality throughout the season., which in some localities extends until frost.

"**NEW OREGON**" is a healthy, vigorous grower with luxuriant foliage, but has a marked characteristic of setting few runners. For this reason plants of the true strain cost a little more than other sorts. We introduced "**NEW OREGON**" in 1902 and growing tests with every promising variety obtainable have demonstrated its superiority.

Mr. Finnigan, the "Strawberry King," uses the "**NEW OREGON**" for his fancy pack, and picked 16,872 boxes from two acres in one season. **See price list below.**

To be sure of receiving the original strain of genuine "NEW OREGON" Strawberries send your orders direct to us.

Gold Dollar—Extra Early

No early strawberry we have ever known equals our special strain of "Gold Dollars."

Gold Dollar berries are large size, dark red all through and have a fine flavor. Foliage heavy, large and spreading, which protects the blooms from early frosts. Has a perfect bloom, and strong stems that hold the berries up from the ground, which helps to keep color and flavor during the early rainy season.

Gold Dollar Strawberries are the standard early berry in the big markets of the Northwest and are always in demand. They are sure, heavy croppers, keep up their size throughout the season, and command the highest early prices. They are the handsomest, most prolific early strawberry.

Popular and Best Western Sorts

Magoon

Originated near Portland; berry large, fine and excellent; sub-acid flavor; bears heavily throughout the season; especially adapted to Western Oregon and Washington.

Marshall

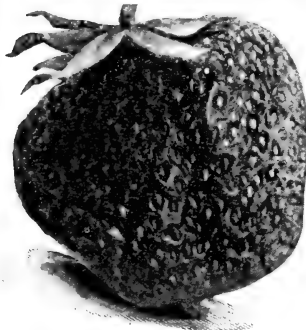
One of the best all-round strawberries; very large; dark crimson throughout; fine flavor; a fine market and table berry. Our stock of Marshalls is absolutely true and a vigorous and prolific strain.

**We can promptly deliver
LARGE ORDERS**

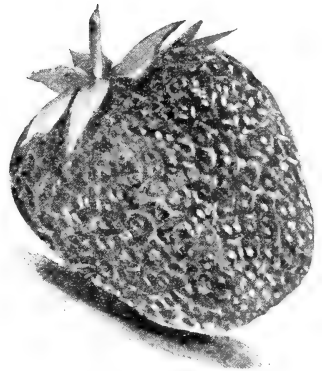
Fall or Spring

COMMERCIAL GROWERS

Write for Prices



MAGOON



MARSHALL

Clark's Seedling

The berry that has made Hood River famous; best shipper; berries large, firm and of delicious flavor; vines bear large crops; is especially adapted to dry soil.

Wilson

An old standard variety; a heavy bearer of fine, moderate sized berries; sharp acid flavor and the leading sort for canning.

Gandy

A profitable market sort; its season is late to very late, being in its prime when most other sorts are gone. The fruit is large, handsome and uniform, and makes an excellent showing on the market.

Price List of Plants

| | By mail, postpaid | | By express or freight packed in vent- ilated crates. | |
|--------------------------|-------------------|--------|--|--------|
| | Dozen | 100 | 100 | 1000 |
| Clark's Seedling..... | \$0.30 | \$1.00 | \$0.60 | \$4.50 |
| Gandy..... | .30 | 1.00 | .75 | 5.00 |
| Gold Dollar..... | .30 | 1.00 | .60 | 4.50 |
| Magoon..... | .30 | 1.00 | .60 | 4.50 |
| Marshall..... | .30 | 1.00 | .60 | 4.50 |
| NEW OREGON—IMPROVED..... | .30 | 1.00 | .75 | 5.00 |
| Wilson..... | .30 | 1.00 | .60 | 4.50 |

Not less than 500 plants of a kind at 1000 rate. Special prices on 3000 or more.

FREE

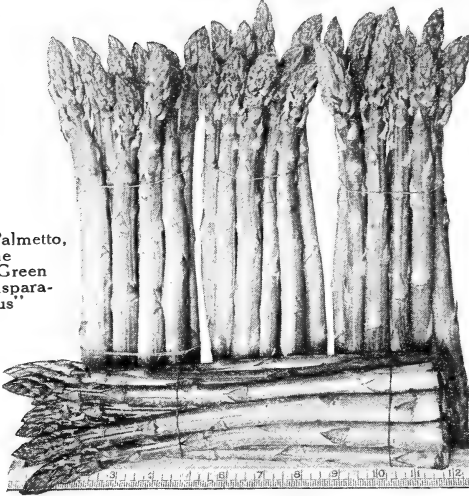
ON REQUEST, OUR 32-PAGE BOOK ON STRAWBERRY CULTURE
Complete and up-to-date. Things you should know about Strawberries.

FREE

Vegetable Roots and Plants

Asparagus

Palmetto,
the
"Green
Aspara-
gus"



One of the earliest and finest of spring vegetables; very easily grown. A bed once planted is good for years if properly attended to and well manured.

CULTIVATION—See that the ground is well drained, work it up fine and deep and make it very rich with fertilizer or barnyard manure. Place the plants eight inches apart in rows three feet apart. Spread out the roots in a trench made deep enough to permit their crowns to be covered with three or four inches of mellow earth. Give the bed liberal dressings of fertilizer at intervals, and, except near the sets, three pounds of salt per square yard early every spring. Do not cut for use until the plants have grown two seasons.

ARGENTEUIL—A splendid French variety of finest quality, very early, vigorous and uniform; hardy and free from disease.

We also supply **Conner's Colossal, Palmetto** and **Columbian Mammoth White**.

ONE-YEAR-OLD PLANTS—Postpaid, 25c dozen; 75c per 50; \$1.00 per 100. By express or freight, 20c dozen; 50c per 50; 75c per 100; \$6.00 per 1000.

TWO-YEAR-OLD PLANTS—Postpaid, 40c dozen; \$1.00 per 50; \$1.50 per 100. By express or freight, 25c dozen; 75c per 50; \$1.00 per 100; \$8.00 per 1000

Rhubarb, or Pie Plant

GIANT—BEST HARDY VARIETY

This deserves to be ranked among the best early products of the garden. It affords the earliest material for fine pies and fresh table sauce, continues long in use and is valuable for canning.

A deep rich soil is indispensable to secure large, heavy stalks. Plant in rows four feet apart, with the plants three feet distant. Set so that the crowns are about an inch below the surface. Apply annually, in the fall, top dressing of stable manure, and fork under in the spring.

ONE-YEAR-OLD ROOTS—Postpaid, 8c each; 75c per dozen. By express or freight, 50c per dozen; 3.00 per 100.

TWO-YEAR-OLD ROOTS—Postpaid, 15c each; \$1.50 per dozen. By express or freight, 90c per dozen; \$6.00 per 100.

BURBANK CRIMSON WINTER

A widely advertised, forcing variety of great value, the flavor and quality being superior to any other rhubarb. Comes on very early and lasts through a long season, hardy in some sections, but gives best results when protected. Must be propagated from root divisions, as it does not come true from seed. Large clumps, each, \$1.00; doz., \$10.00

Divided roots, each, 25c; doz., \$2.50

NOTE—We advise our customers to order the above roots by express or freight, if possible, as it enables us to send much larger and better rooted plants, at a less cost to the buyer.

If wanted in larger quantities, write for special prices.

Hop Vines

Grown very extensively for the hops; also planted largely for shade and covering fences, buildings, etc.; rapid growers.

English Cluster—The best sort.

Strong roots, postpaid, 5c each; 40c per dozen. By express, 25c per dozen; \$1.50 per 100.

Write for prices if wanted by the 1000.

Horse Radish

This useful condiment is easily grown and prefers a rich, moist loam. Plant in rows eighteen inches apart, putting the sets one foot apart, being careful to place the thin end down in the ground. Constant cultivation required.

Postpaid, 5c each; 40c per dozen. By express or freight, 25c per dozen; \$1.50 per 100. Write for prices by the 1000.

Vegetable Plants

WE grow large quantities of vegetables plants, and can supply all the kinds listed below, in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades. If you want a quantity of plants write us early.

Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts. No plants sent C. O. D.

Write for prices in large quantities.

| | Postpaid | By express |
|-----------------------------|----------|---------------|
| CELERY — | Dozen | 100 1000 |
| Leading kinds, transplanted | \$0.30 | \$1.00 \$7.00 |
| Not transplanted | .. | .50 5.00 |

| | Postpaid | By express |
|-----------------------------|----------|---------------|
| TOMATOES — | Dozen | 100 1000 |
| Leading kinds, transplanted | \$0.30 | \$1.00 \$7.00 |
| Not transplanted | .. | .75 6.00 |

Add 40c per 100 for Tomato Plants by mail.

SWEET POTATO PLANTS \$0.30 \$1.00 \$7.00

Add 25c per 100 for above Plants by mail.

CHIVES (Schnittlauch). per bunch. 25c.

| | Postpaid | By express |
|------------------------------|----------|---------------|
| CAULIFLOWER — | Dozen | 100 1000 |
| Early Snowball, transplanted | \$0.30 | \$1.25 \$8.00 |
| Not transplanted | .. | 1.00 7.00 |
| Late kinds, transplanted | .30 | 1.00 7.00 |
| Late kinds, not transplanted | .. | .75 6.00 |

Add 25c per 100 for Cauliflower Plants by mail.

| | Postpaid | By express |
|-----------------------------------|----------|---------------|
| CABBAGE — | Dozen | 100 1000 |
| Early or late kinds, transplanted | \$0.20 | \$0.75 \$6.00 |
| Not transplanted | .. | .50 4.00 |

Add 25c per 100 for Cabbage Plants by mail.

High Grade Fertilizers Cheapest

A 100-pound bag of high grade commercial fertilizer will contain more soluble and available plant food than 4,000 pounds (two tons) of stable manure of average quality. How much easier and cleaner to handle one 100-pound bag than tons of manure, and there are no weed seeds to worry over.

Special Fertilizer Booklet giving complete analysis and price of the different fertilizers which we can supply, together with full information for their application, will be sent on request. This book is of great value to all interested in fertilizers.

New Books

Interesting and Valuable Reference Works by Famous, Practical Men.

Orchardists, Nurserymen, Florists, Gardeners and amateur growers will find a reliable text book to be their best guide, and greatest aid to success.

We have carefully selected the following most practical works on the subjects treated.

All books postpaid at following prices:

Binding Price

| | | |
|---|---|--------|
| Apple Culture, Field Notes on, Bailey, 88 pages, 5x7 1/2 in. | C | .85 |
| Apple Orchard, The American, Waugh, 214 pages, 5x7 1/2 in. | C | 1.15 |
| Art of Propagation, Jenkins, 31 pp., 6x9 in. P | | .30 |
| Asparagus, Hexamer, 116 pages, 5x7 1/2 in. O | | .55 |
| Beautiful Flower Garden, The, Matthews, 186 pages, 5x7 1/2 in. | P | .50 |
| Blackberry and Raspberry Culture, Littooy, 42 pages, 3x6 in. | P | .40 |
| Bulbs and Tuberous-Rooted Plants, Allen, 312 pages, 5x7 in. | C | 1.70 |
| Bush Fruits, F. W. Card, 538 pages | C | 1.70 |
| Carnation Culture, American, Lamborn, 175 pages, 5 1/2 x 8 in. | C | 2.00 |
| Chrysanthemum, The, Herrington, 160 pages, 5x8 in. | C | .60 |
| Cranberry Culture, White, 131 pages, 5x 7 1/2 in. | C | 1.10 |
| Daffodils-Narcissus, Kirby, 235 pages, 5x 7 1/2 in. | C | 1.10 |
| Dwarf Fruit Trees, Waugh, 125 pages, 5x7 1/2 in. | C | .60 |
| Ferns, and How to Grow Them, Woolson, 156 pages, 5x7 1/2 in. | C | 1.10 |
| Fertilizers, Gregory, 137 pages, 5 1/2 x 7 1/2 in. | P | .50 |
| Fertilizers, Voorhees, 335 pages, 5x8 in. | C | 1.40 |
| Floriculture, Practical, Henderson, 325 pages, 5x7 1/2 in. | C | 1.60 |
| Flower Garden, The, Ida D. Bennett, 282 pages, 5x7 1/2 in. | C | 1.10 |
| Forcing Book, The, Bailey, 266 pages, 5x7 in. C | | \$1.45 |
| Fruit Garden, Barry's, 516 pages, 5x7 1/2 in. C | | 1.65 |
| Fruit Grower, The Practical, Maynard, 128 pages, 5x7 in. | C | .60 |
| Forestry, Practical, Fuller, 299 pages | C | 1.60 |
| Fruit Growing, The Principles of, Bailey, 516 pages, 5x7 1/2 in. | C | 1.65 |
| Fruit, Harvesting, Storing, Marketing, Waugh, 224 pages, 5x7 1/2 in. | C | 1.10 |
| Fungi and Fungicides, Weed, 228 pages, 5x7 1/2 in. | C | 1.10 |
| Gardening for Pleasure, Henderson, 404 pages, 5x7 1/2 in. | C | 1.65 |
| Gardening for Profit, Henderson, 376 pages 5x7 in. | C | 1.65 |
| Grape Culturist, The, Fuller, 282 pages, 5x7 1/2 in. | C | 1.60 |
| Greenhouse Construction, Taft, 210 pages, 5x7 1/2 in. | C | 1.60 |
| Greenhouse Management, Taft, 382 pages, 5x7 1/2 in. | C | 1.65 |
| Hedges, Windbreaks, Etc., Powell, 140 pages, 5x7 in. | C | .60 |
| Home Floriculture, 300 pages, 5x7 in. | C | 1.10 |
| How to Plan the Home Grounds, Parsons, 249 pages, 5x8 in. | C | 1.10 |
| Horticulturist's Rule-book. "A Compendium of Useful Information for Fruit Growers, Truck Gardeners, Florists, L. H. Bailey. 312 pages. | C | .90 |

Note—C indicates cloth; P, paper cover.

Binding Price

| | | |
|---|---|------|
| Injurious Insects of the Farm and Garden, Treat, 296 pages, 5x7 1/2 in. | C | 1.60 |
| Insects Injurious to Fruits, Saunders, 436 pages, 5x8 in. | C | 2.25 |
| Insects and Insecticides, Weed, 334 pages, 5x7 1/2 in. | C | 1.60 |
| Irrigation for the Farm, Garden and Orchard, Stewart, 276 pages, 5x7 1/2 in. | C | 1.10 |
| Land Draining, Miles, 199 pages, 5x7 1/2 in. O | | 1.10 |
| Landscape Beautiful, The, Waugh, 336 pages 6 1/2 x 8 1/2 in. | C | 2.15 |
| Landscape Gardening, Maynard, 338 pages, 5x7 1/2 in. | C | 1.60 |
| Landscape Gardening, Waugh, 152 pages, 5 7/8 in. | C | .85 |
| Lawns, and How to Make Them, Barron, 174 pages, 5x7 1/2 in. | C | 1.10 |
| Manures, How to Make and How to Use Them, Sempers, 218 pages, 5x7 1/2 in. | P | .50 |
| Manure, The Bommer Method of Making, 86 pages, 6x9 in. | P | .30 |
| Nursery Book, The, Bailey, 365 pages, 5x 7 in. | C | 1.65 |
| Nut Culturist, The, Fuller, 289 pages, 5x 7 1/2 in. | C | 1.60 |
| Peach Culture, Fulton, 204 pages, 5x7 1/2 in. | C | 1.10 |
| Pictorial Practical Rose Growing. "A Concise Guide, Describing the Propagation, Pruning and General Culture of Roses, Both Out of Doors and Under Glass," with nearly one hundred illustrations, by Walter P. Wright. 152 pages C | | .75 |
| Propagation of Plants, Fuller, 349 pages, 5x7 1/2 in. | C | 1.60 |
| Pruning Book, The, Bailey, 545 pages, 5x7 1/2 in. | C | 1.65 |
| Raspberry and Blackberry Culture, New, Littooy, 42 pages, 3x5 1/2 in. | P | .40 |
| Rhubarb Culture, The New, Morse, 130 pages, 5x7 1/2 in. | C | .50 |
| Rose, The Book of the, Foster-Melliard, 356 pages, 5x7 1/2 in. | C | 2.15 |
| Roses and How to Grow Them, 189 pages, 5x7 1/2 in. | C | 1.10 |
| Roses and Rose Growing (new) by Rose G Kingsley, 163 pages | | 2.10 |
| Small Fruit Culturist, Fuller, 289 pages 5x7 1/2 in. | C | 1.10 |
| Spraying Crops, Weed, 136 pages, 5x7 1/2 in. O | | .60 |
| Strawberry Culture, The A B C of, Terry & Root, 235 pages, 5x6 in. | P | .50 |
| Strawberry Culturist, The Illustrated, Fuller, 59 pages, 5x7 in. | C | .85 |
| Sweet Potato Culture, Fitz, 86 pages, 5x 7 1/2 in. | C | .55 |
| Tomato Culture, Littooy, 24 pages, 5x7 1/2 in. | P | .25 |
| Violet Culture, Commercial, Galloway, 239 pages, 5x7 1/2 in. | C | 1.50 |
| Violets, How to Make Money Growing, Saltford, 45 pages, 5x6 1/2 in. | P | .30 |
| Water Lilies and How to Grow Them, Conard & Hus, 228 pages, 5x7 1/2 in. | C | 1.10 |

 A new book of unusual value and interest to teachers.

THE PRINCIPLES OF AGRICULTURE THROUGH THE SCHOOL AND HOME GARDEN.—

by C. A. Stebbins. Designed to teach principles and a knowledge of processes, not technical matter, with lessons on the Soil, the Seed, Propagation of Plants, Roots, Stems, Leaves, Flowers, Fruits and Harvesting and Marketing Crops. Also on Insects, Plant Diseases and Farm Animals.

A very valuable work for the student of agriculture or for anyone interested in school or home gardens.

380 pages, Cloth, \$1.65.

Bees In Orchards Are An Imperative Necessity

They insure proper pollination, which improves the quality, increases the yield and size, and gives fewer culls. Bees require very little attention, are easily handled, their honey paying a handsome profit.

OUR CATALOG of everything

necessary for profitable Bee Keeping with valuable information on care and handling, sent free on request.

ORNAMENTALS

SPACE will not permit us to more than give the very briefest description of ornamentals in this booklet, but complete descriptions and detailed information covering your planting problems will be promptly and cheerfully furnished on request, together with such suggestions as we feel will prove helpful to you. We shall be pleased to quote special prices on larger grades than those offered in the list. Such varieties as we have marked with an asterisk (*) can be supplied in many cases in larger grades and in large quantities.

When large trees are planted, they should be cut down to within 8 feet of the ground and all laterals should be shortened in, thinned out if they are too thick and cut away entirely to about 6 feet of the ground.

We shall be pleased to give quotations to persons desiring large quantities.

Prices of the following are for the 7 to 8 feet grade, excepting where otherwise specified.

Deciduous Trees

ASH

American White

Broad, round head and dense foliage. Very fine. Each, 60c; 10, \$5.00.

BASSWOOD

(See Linden).

BEECH

Purple Leaved—Foliage is deep purple in the spring, changing to crimson in the fall. 5 to 6 feet, each \$2.00; 6 to 8 feet, \$3.00

American

Unequalled for splendor. Each, 75c; 10, \$6.00.

Fern Leaved

European variety, shrub-like and very beautiful for the lawn. 4-5 feet, each, \$1.00; per 10, \$7.50.

*BIRCH

European White

Silvery white bark and slender drooping branches. Each, 75c; 10, \$6.50.

Cut Leaved

Delicately cut foliage, silvery white bark and drooping branches. Each, \$1.50; 10, \$12.50

CATALPA

Splendid trees with white flowers and bright green foliage.

CATALPA BUNGEI

Forms a dense, round, umbrella-like head. Each, \$1.50.

*CATALPA WESTERN (Speciosa)

Very rapid grower, fine as a quick shade. Price, 7 to 8 feet, each, 75c.

CRAB—Flowering (Bechtels)

Flowers pink and very fragrant. In appearance a tree of roses. 5 to 6 feet, each, 75c.

CORNUS FLORIDA (Dogwood, White Flowering)

Flowers white, 3 inches in diameter, blooming before leaves come in spring. Grows 20 to 25 feet high and is very showy. Price, 7 to 8 feet, each, 60c; 10, \$5.00.

*ELM

American White

A native of this section; a magnificent tree with drooping branches. Each, 75c; 10, \$6.50.

*Cork Bark

Desirable for street planting. Young branches very corky. Each, 50c; 10, \$4.50.

Purple Leaved

Leaves rich purple when young. Each, 75c; 10, \$6.50.

*LABURNUM (Golden Chain)

A beautiful small growing tree, with long, drooping racemes of fragrant yellow flowers. 5 to 6 feet, each, 75c.

LARCH

Tree native, rapid growing. Each, 75c; 10,

FRINGE TREE

Small; foliage dark green; bunches of pure white flowers in May. 4 to 6 feet, \$1.00.

HAWTHORNE Double Scarlet

Small tree with spreading branches and crimson flowers. Each, 75c; per 10, \$6.50.

Double White

Flowers small, leaves lustrous green color. 75c; 10, \$6.50.

HORSE CHESTNUT

*White

Foliage showy, flowers stand in upright panicles. Each, \$1.00 to \$1.50.

*Red

Same flower as above; flowers red. Each, \$1.00 to \$1.50.

LINDEN American

Shapely and handsome, foliage large. Each, \$1.00; 10, \$8.50.

European

Similar to American, leaf smaller. Fine. \$1.25.

LIRIODENDRON

See Tulip tree.

LOCUST *Black

Rapid grower; fine for street planting. Each, 75c; 10, \$6.50.

Honey

Rapid grower, a drought resister; fine for hedge or wind-break. Each, 75c; 10, \$6.50.

MAGNOLIA—Acuminata, Cucumber Tree
Tall, pyramidal tree, showy leaves and yellowish white flowers. Each, \$1.50; 10, \$12.50.

MAPLE

Ash-Leaved (Box Elder)

A rapid grower, fine street tree, foliage ash-like. Each, \$1.00; 10, \$8.50.

Variegated Ash-Leaved Maple.

These make handsome and attractive specimens for lawn or street plantings. Each, \$1.00.

*Oregon Soft

A rapid grower, fine for avenues. Leaves large. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

*Sycamore

Tree large and spreading with handsome foliage. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

Silver

A rapid grower, graceful and very beautiful; leaves silvery. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

MAPLE

*Norway

Large, growth compact; foliage deep green. Handsome. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

Purple Leaf Sycamore

Purplish green foliage, sycamore-like. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

Sugar or Hard

A rapid grower; popular in the East, a shapely tree with beautiful autumnal coloring. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

OAK

English

Low growing, spreading habit and rapid growth. 75c; 10, \$6.50.

Scarlet

Pyramidal shape, foliage changes to bright red in fall. Each, 75c; 10, \$6.50.

PEACH—Flowering

Blooms in April, flowers highly colored and very attractive. 4 to 6 feet, 50c; 10, \$4.00.

DECIDUOUS TREES—Continued

***MOUNTAIN ASH**

Very ornamental, handsome foliage turning orange red in the fall. Red berries remain on tree most of winter. 75c; 10, \$6.50.

MOUNTAIN ASH—European

White flowers, then beautiful red berries. Each, 75c; 10, \$6.50.

MULBERRY**Downing's Everbearing**

A rapid grower with good fruit. Fine as a shade tree. Each, 75c; 10, \$6.50.

***Russian**

Of spreading habit and rapid growth. Each, 75c; 10, \$6.50.

WALNUT

See Nut Trees.

POPLAR***Carolina**

A very rapid grower. Each, 60c; 10, \$5.00.

PRUNUS PISSARDI

Foliage and fruit entirely red. Plums very good quality. Very attractive. \$1.00; 4 to 6 feet, 75c.

SYCAMORE**American**

Has broad foliage and handsome bark. 4 to 6 feet, 75c; 10, \$6.50.

European

Erect growing tree with mottled trunk. Foliage bright green. Each, 75c; 10, \$6.50.

TULIP TREE

Leaves light, glossy green, fiddle shaped; flowers greenish yellow, tulip shaped. Each, \$1.50; 4 to 6 feet, \$1.00.

Weeping Trees

ASH—European Weeping

Splendid arbor tree. \$1.25; 10, \$11.00.

BABYLONICA or Common

Well known common willow, with drooping branchlets. 5 to 6 feet, each, 60c.

CHERRY—Japanese White

Graceful and very beautiful, flower profusely. 4 to 6 feet, \$1.25.

ELM—Camperdown Weeping

Vigorous branches, forming a roof-like head. \$1.50; per 10, \$12.50.

MAPLE—Wier's Cut-Leaved

Very handsome with cut foliage. 6 to 8 feet, \$1.50.

MULBERRY—Tea's Weeping

Very graceful; branches long and slender and drooping parallel to trunk. Each, \$1.50; per 10, \$12.50.

WEeping WILLOW—Kilmarnock

A distinct variety, having reddish shoots and large, glossy foliage. They make a most desirable and graceful drooping small tree for lawns. 6 feet and 2-year heads, each, \$1.00 to \$1.50.

WILLOW—Wisconsin

Large, glossy leaves and very pendulous habit. Each, 75c; per 10, \$6.50.

Deciduous Shrubs

ALTHEA—Rose of Sharon

Flowers delicate, bell shaped, blooming at different times during summer. 3 to 4 feet,

Grandiflora Superba

Double, delicate bluish, carmine center. 3 to 4 feet, each, 50c; 10, \$4.00.

Elegantissima

Double white. 3 to 4 feet, each, 50c; 10, \$4.00.

Meehani

Leaves variegated, single lilac-pink flowers. 60c.

FLOWERING ALMOND—White

Same, though white flowers.

FLOWERING ALMOND—Pink

Well known early dwarf shrub. Double clear pink little roses festoon the gracefully bending branches. 2 feet, 50c.

AZALEA MOLLIS

Very bushy, a young and proficient bloomer. Colors, red, orange and yellow. \$1.00.

BERBERY—Purple Leaved

Having purple foliage, very pretty. Clump, 25c each.

CURRENT—Flowering

Graceful; flowers and berries red. Very desirable for shady spots. 3 to 4 feet, 50c.

HYDRANGEA

Arborescens Alba Grandiflora (known as "Snowball Hydrangea")—A grand addition to the summer flowering shrubs—flowers July and August. The flowers are large, similar to snowball in appearance, conspicuously white; fine for single specimen or cut flowers. Each, \$1.00

Paniculata Grandiflora.—One of the most desirable flowering shrubs; attains a height of 4 to 5 feet, flowering from July to November, bearing immense panicles of bloom, a foot or more in length; color, creamy white with pink flush. Prune back in early spring, about half of previous year's growth; flowers are borne on the new wood. Hardy everywhere; good for cemetery planting.

2 to 3 feet, each, 25c to 50c; 3 to 4 feet, 75c
Tree shaped, each, \$1.00

HONEYSUCKLE—Upright

Very beautiful. 3 to 4 feet, 50c. For others, see vines.

DEUTZIA—Pride of Rochester

Tall, very beautiful. Flowers double white. 3 to 4 feet, 50c; 4 to 6 feet, 65c; 6 to 8 feet, 75c.

ELDER—Cut Leaved

Deep, cut foliage. 4 to 6 feet, 50c.

EUONYMUS—European

Strawberry or Spindle Tree—A small tree bearing medium sized scarlet berries. 4 to 5 feet, 50c.

FILBERT—Purple Leaved

Leaves and husks purple, very ornamental. Nuts good. 3 to 4 feet, 75c.

FORSYTHIA (Golden Bell)

Most common; deep green foliage. Fine in partial shade. 5 to 6 feet, 50c.

CALYCANTHUS—Floridus

Flowers reddish brown, sweet scented. Leaves broad, dark green, making graceful masses. 2 to 3 feet, 50c; per 10, \$3.50.

QUINCE FLOWERING (See Page 61)**SNOWBALL****Japanese**

Flowers pure white, delicate, large globular heads, in May. 2 to 3 feet, 75c. See cut.

Common

Flowers globular, pure white, in May. 3 to 4 feet, each, 50c; per 10, \$4.00.

SCOTCH BROOM

Rapid growing, hardy; trusses of yellow flowers in May. 50c.

SMOKE TREE

Low growing and shrubby, flowers feathery, appearing like a cloud of smoke. 75c to \$1.00.

MOCK ORANGE (Philadelphus)

3 to 4 feet, 50c; per 10, \$4.00.

Grandiflora

Flowers large and slightly fragrant. Slender twig habit. Price, 3 to 4 feet, each, 50c; per 10, \$4.00.

Deciduous Shrubs—Continued

Lilacs

Common Purple (*Syringa Vulgaris*)

Very fragrant, an old favorite. 3 to 4 feet, 50c; per 10, \$4.50.

Common White

(*Syringa Vulgaris*)

Same as above, flowers white. 3 to 4 feet, 50c; per 10, \$4.50.

FINE NAMED VARIETIES

Grafted Standards, 6 ft. \$1.25 each.

Choice plants, 3 to 4 feet, each, 75c.

CHAS. X—Single

A strong rapid grower; trusses large and loose, color reddish purple.

MARIE LE GRAYE—Single

Flowers large, beautiful creamy white; bush dwarf.

MICHEL BUCHNER—Double

Pale lilac.

PRES. GREVY—Double

Magnificent; beautiful blue panicle; very large.

LUDWIG SPAETH—Single

Very fine; trusses large; deep purple.

MME. LEMOINE—Double

White color; fine for winter forcing.

PRES. CARNOT—Double

Fine, lavender, with white center, late flowering.

TAMARIX

Elegant, fine flowering and handsome foliage. Flowers carmine-red. August, September. 3 to 4 feet, 50c.

Spiraeas

Anthony Waterer—A handsome shrub, that blooms about the close of June; flowers red.

Clumps, each, 75c

Billardi—Produces fine, rose-colored flowers, and blooms nearly all summer.

Strong clumps, each, 60c

Prunifolia, Bridal Wreath—The pretty double white flowers are in bunches of twos and threes, and usually expand about May 1.

Clumps, each, 75c

Thunbergii—Of graceful habit; branches are slender and somewhat drooping; foliage yellowish-green; flowers small, white, appearing early.

Clumps, each, \$1.00

Van Houtte—The grandest of all the Spiraeas. It is a beautiful ornamental for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Perfectly hardy and an early bloomer. 2 to 3 feet, 60c to 75c

WEIGELIA

Candida—Flowers white, bush tall and very graceful. 75c

Rosea—Flowers light pink, shrub compact and shapely. 75c

Eva Rathke—Flowers red, one of the best. Slightly dwarf. 75c

Variegated—Leaves become silvery white. 75c

NUT TREES

Almond (Nut Bearing)

Almonds can be grown successfully in many sections of Oregon and Washington, and are attracting much attention from commercial orchardists. We can supply most of the leading varieties at price listed. Special prices on large orders. Choice trees, 3 to 5 feet, 50c

I. X. L.—A vigorous grower and sure cropper, producing nuts of large size and handsome appearance; shell thin; most popular commercial sort.

Hard Shell—A fine hardy variety with large plump kernel of good quality.

NONPARIEL

Tree beautiful, slightly weeping; nut sweet and shell very thin. Best for the home.

NE PLUS ULTRA

Large and very long; soft shell; hulls free. Tree heavy and regular bearer.

Butternut

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the Middle West. each, 50c to 75c

Chestnut

American Sweet—Makes a handsome shade tree; full medium size, sweet and well flavored. 7 to 8 feet, each, 75c to \$1.00

Spanish—A valuable species, both for ornamental use and fruit. It forms a handsome lawn tree and produces much larger fruit than the American variety.

4 to 6 feet, each, 75c; 7 to 8 feet, \$1.00

Mammoth Japanese—Imported; yields largest and best nuts. Each, 75c to \$1.00

PARAGON

Nuts large and handsome, sweet and of good quality. Tree hardy and very productive. 4 to 6 feet, each, 75c to \$1.00.

Walnuts

English or French—The cultivation of English Walnuts on the Pacific Coast is very profitable, and many people are now setting out large groves. If you do not care to set out a field of trees, a row set along the driveway, lane, around the fences, or on a sidehill too steep to cultivate will prove a most profitable investment, and will require very little attention. They are rapid growers, and will make fair-sized trees in a few years. For those who prefer "second generation," we have a fine lot of one and two-year-old trees (the best age to plant).

CALIFORNIA BLACK

A rapid grower and very desirable; nut medium size, with hard, smooth shell. Adapts itself easily to different climates.

FRANQUETTE AND MAYETTE.

Second generation, soft shell, selected stock; Trees hardy and prolific bearers. Nuts are rich and meaty, finest commercial sorts.

PRICES

One-year-old, well-rooted, each, 25c; 10, \$2.00

Two-year-old, well rooted, tops 2 feet up, 40c

Seedling stock grown from select nuts, 4 to 6 feet, each, 75c; 6 to 8 feet, 75c to \$1.00

GRAFTED STOCK—Franquette Mayette Præpatrien 4 to 6 feet, \$1.50 to \$2.00. Special prices on large lots.

Filberts

Barcelona—Magnificent large nut from Spain, first quality; can be grown as low standard tree or bush. Each, 35c to 50c

DuChilly—The largest Filbert on Pacific Coast. Nuts are broad, 1 inch by $\frac{3}{4}$ of an inch; full fleshed and sweet; best grown as low standard. Each, 35c to 50c

Special prices on large orders.

Evergreen Trees

THIS list includes trees that do not shed all their foliage at one time, thereby remaining green after the deciduous trees are bare.

ARAUCARIA IMBRICATA—Monkey Puzzle

A fine tree of regular pyramidal form; leaves bright green, broad, thick, pointed and overlapping each other. 2 to 3 feet, \$2.00.

ARBORVITAE

*American

Native, known as white cedar. Foliage bright green, yellow-green underneath; brown and bronze in winter. 2 to 3 feet, 75c.

Golden

Elegant; habit regular; foliage tinged with gold in spring. 2 to 3 feet, \$1.50.

Weeping

Weeping variety, branches pendulous and thread-like; foliage light yellowish green. 2 to 3 feet, \$1.50.

American Variegated Pyramidal

Pyramidal form, foliage dark green. 2 to 3 feet, \$1.00.

Oriental

Fine, with close ascending branches of a fan shaped appearance. 2 to 3 feet, \$1.00.

BOX

Splendid specimens, our own Importation.

| | | | | | | |
|----------------|-------|----|----------|-------------|-------|---------------|
| Pyramid | 4 | to | 4 ½ feet | Each | ..... | \$5.00 |
| " | 3 | " | 3 ½ " | " | ..... | 3.50 |
| " | 2 ½ " | " | 3 " | " | ..... | 2.50 |

Standard 2 ½ to 3 feet stems. Heads 15 to 18 inches in diameter. \$4.00 to \$5.00 each.

Box Plants for Hedges and Borders, 6 inch and over at from \$5.00 per hundred up.

CEDRUS

Deodora (Himalayan or Indian Cedar)

Very handsome; branches drooping; foliage silvery green. Very popular. Vigorous grower. 2 to 3 feet, \$1.50.

Deodora Variegata (Variegated Cedar)

A fine tree, same as Deodora with silvery white tipped foliage. 2 to 3 feet, \$2.00.

CYPRESS

*Lawson's

Graceful and conspicuous; branches horizontal, slightly pendulous, foliage dark green. 2 to 3 feet, \$1.25; per 10, \$10.00.

Lawson Blue

Of slender habit with silvery foliage. 1 ½ to 2 feet, \$1.00.

CYPRESS—NEW

Cypress Allumil.

Very compact, upright grower; color a bright blue. **Each, \$1.00.**

Cypress Lawsoniana Darlyenssl.

A strong grower; color a fine bright yellow. **Each, \$1.50.**

Cypress Wessellii.

This conifer distinguishes itself by its very graceful pyramid, compact and yet strong growth; color a fine blue. **Each, \$1.50.**

Cypress Westermanni.

Same as Wessellii though more pendulous and drooping. **Each, \$1.50.**

Cypress Triumph of Booskoop.

Strong grower; one of the bluest conifers in cultivation. **Each, \$1.00.**

MAGNOLIA GRANDIFLORA.

Choice well budded trees. 2 ½ to 4 feet, each, \$1.00 to \$2.00. Large specimens \$3.00 to \$5.00 each.

FIR

American Balsam

Prized for its delightful aroma. 1 ½ to 2 feet, \$1.25.

European

Splendid; branches spreading, foliage broad and silvery. 2 to 3 feet, \$1.25.

Nordman's

Lustrous, deep green foliage; very symmetrical. One of the best. 1 to 1 ½ feet, \$1.25.

White

A fine spruce; rapid growth; very hardy. Very attractive. 1 ½ to 2 feet, \$1.50.

HEMLOCK—American

Very beautiful and appealing; branches pendant and foliage deep green. 2 to 3 feet, 75c; per 10, \$6.50.

Holly (Ilex)

We have a fine lot of Hollies, both seedling and grafted stock. If wanted in quantity, write for special prices. We also have at different times very large fine specimens, with or without berries. **Each, from \$10.00 up**

English (Aquifolia)—A beautiful lawn tree, with prickly, dark green foliage; grows moderately fast, and is covered during the winter months with bright red berries. One of the handsomest and most popular evergreen bushes we know of. Holly branches are cut and sold in large quantities for holiday decorations. **Berry-bearing plants, per foot, \$1.00; nice plants, \$2.50 to \$6.00; ordinary stock, per foot, 75c; nice plants, \$1.50 to \$3.00**

Variegated Hollies

The variegated varieties are remarkably handsome lawn plants. The leaves are variously marked with yellow or white. We offer the following distinct sorts:

Golden Margined—Leaves splashed with pale green; narrow, but irregular; golden edge.

Per foot, \$1.00 to \$1.50

Silver Margined—Leaves long, dark green, slightly mottled, and with an irregular, narrowish silvery margin.

Per foot, \$1.00 to \$1.50

JUNIPER

Irish

Pyramidal in form, foliage silvery gray; very striking. 2 to 3 feet, \$1.00.

Red Cedar

Native, with striking form and beautiful color. 2 to 3 feet, 60c; per 10, \$5.00.

Swedish

Similar to Irish, upright; one of the best. 2 to 3 feet, \$1.00.

JUNIPER—NEW

Juniper Communis Pfitzeriana.

Graceful green foliage with horizontal branches. **Each, \$1.50.**

Juniper Canadensis Revesiana.

Same as Pfitzeriana though taller and straight. **Each, \$2.00.**

Thuja Occidentalis Hoveyi.

Clear green color; slow growing. **Each, \$1.50.**

EVERGREEN TREES—Continued

PINE

Austrian

Well known and widely planted, especially at seashore; growth rapid; quite hardy. 2 to 3 feet, \$1.00.

Scotch

Robust growth; branches pendulous; leaves bluish green. 3 to 4 feet, 75c; per 10, \$6.50.

SPRUCE

*Norway

A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. 2 to 3 feet, \$1.25.

Norway Variegated Golden

Foliage golden yellow, vigorous. 2 to 3 feet, \$2.00.

SPRUCE—Colorado Blue

The most beautiful of spruces; foliage silvery blue. 1½ to 2 feet, \$2.50.

Douglas

Somewhat similar to our hemlock; rapid grower. 2 to 3 feet, \$1.50.

YEW

English

Slow growth, densely branched, head spreading, dark green leaves. 2 to 3 feet, \$1.00.

Irish

Upright, deep, dark green foliage. 2 to 3 feet, \$1.50.

Variegated

Same as Irish, but with part of foliage striped and margined with silvery white. 2 to 3 feet, \$1.50.

Evergreen Shrubs

PRIVET (Evergreen)

One of our best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning, and can be kept in fine shape with little care.

1-year-old plants, 12 inches, each, 5c; 50, \$1.75; 100, \$3.00; 2-year-old plants, 1½ to 2 feet, each, 10c; 50, \$3.50; 100, \$6.00

Rhododendron

Grafted Varieties—Magnificent, June and July flowering, evergreen shrubs; the finest and most hardy of all evergreens; they prefer a somewhat shady situation. There are many varieties, the flowers of which are produced in great abundance and in shades of the following colors: White, blue, purple, cherry, lilac, mauve and crimson.

Choice plants, 1½ to 2 feet and according to number of buds, \$1.50 to \$3.00

Ponticum—Flowers purple, often spotted on the upper lobe, and freely produced in short terminal corymbs. Each, \$1.50

BROOM—Scotch

Branches drooping, covered in spring with bright yellow pea-shaped flowers. 3 to 4 feet, 50c.

White Flowering

Same as Scotch; flowers white. 3 to 4 feet, 75c.

Spanish

Same as Scotch; upright; branches leafless, superior to Scotch. Blooms continuously throughout the summer; larger, nicer flower; very desirable. 3 to 4 feet, 75c.

EUONYMUS—Jap.

Dense, upright; leaves dark green (hedge). 2 to 3 feet, 50c.

Variegated

Gold (and silver). 3 to 4 feet, \$1.00.

LAURISTINUS

Many white flowers in winter; fine hedge. Price, 2 to 3 feet, 75c each.

LAUREL

Portugal

Dwarfish, leaves dark green, flowers very sweet. 2 to 3 feet, \$1.25; per 10, \$10.00.

English

Leaves broad, shining; flowers in clusters, creamy white. Purple berries. 2 to 3 feet, \$1.00.

MAHONIA—Aquifolia (Oregon Grape)

Shining, purple, prickly leaves; bright flowers, yellow; berries blue-black. 2 to 3 feet, 75c (Balled).

MISCELLANEOUS ORNAMENTALS

YUCCA

SAPANISH BAYONET OR ADAM'S NEEDLE—

Has a fine appearance; the stems grow two or three feet above the ground; covered with large, bell-shaped flowers on laterals, forming a perfect pyramid; valuable for rockwork.

FILAMENTOSA—Thread leaved, creamy white; July. Plants 2 feet, each, 75c to \$1.00

BLEEDING HEART.

SPECTABILIS—One of the most ornamental of hardy Spring flowering plants, with elegant green foliage and long, drooping racemes of heart-shaped flowers. This is deemed one of the finest of all hardy garden plants.

Strong roots, each, 30c p9stpaid.

CALADIUM.

ESCULENTUM—(Elephant's Ear) Grand tropical looking plant. A favorite for specimens on the lawn, or for bordering large sub-tropical groups. In deep, rich soil, if freely watered, the produce enormous leaves, frequently four feet long by three feet wide. Plant in the Spring. Height, 4 to 5 feet. Each, 25c; doz., \$2.00

ST. JOHNS WORT—Clump.

Low growing with yellow blooms: a drought resister. July and August. Clumps, 50c.

PAMPAS GRASS.

PAMPAS GRASS—A noble ornamental grass, easily grown, producing long, pointed leaves and majestic, silvery white plumes, which are very valuable for Winter decoration; grows 6 to 8 feet high. Strong roots, each, 60c to 75c.

Large specimen plants, \$2.00 to \$5.00

TRITOMA—(Pfitzer)

Everblooming Flame Flower or Red Hot Poker.

This new sort is of a rich orange scarlet, blooming from mid-Summer to latest Fall; spikes 3 to 4 feet high; one of the very best of this useful class, which is hardy with slight protection, but Winters best if lifted and stored in sand. These hardy perennials are unsurpassed as border plants.

Strong flowering roots, 25c; doz., \$2.50 prepaid

ARAUCARIA EXCELSA—(Norfolk Island Pine)

This beautiful plant resembles the pine somewhat in appearance, though much finer in texture; they do not require much sun and are hardy and easily cared for. Choice plants, 14 to 20 inches high, each, \$2.00 to \$4.00.

RUBBER PLANT.

FICUS ELASTICA—This is certainly one of the best plants grown for decorative purposes; it succeeds well with ordinary treatment.

Large plants, each, 75c to \$1.50 and up.

JAPANESE ORNAMENTALS

WE import annually large assortments of Japanese Plants, Palms, Shrubs, etc., and would call attention to the splendid values offered in these interesting specimens.



Thuja
Obtusa

Thuja Obtusa—(var. Chabo-hiba)—Famous Dwarf tree of Japan, over 100 years old, grown in pots. This unique and interesting tree is perfectly hardy, good for porch or house use; is very ornate and striking; making it invaluable for decorative effects. Fine specimens in oriental jardinières. \$5.00 to \$10.00 each

Aucuba

Aucuba Japonica—Japan evergreen, with shining evergreen foliage and red berries. Each, 75c to \$1.00
Aucuba J. Variegata—Green and yellow foliage; very showy; fine for specimen plants on lawn. Large plants for immediate effect. Each, \$2.00 to \$2.50

Bamboo

This well known ornamental plant, with graceful and almost evergreen foliage, thrives in sheltered situations, making fine lawn clumps. We have four varieties, all hardy. Strong clumps, 3 to 6 feet, each, 75c to \$1.50

Berberry—Japanese

B. Thunbergii—From Japan. A pretty species of dwarf habit; small foliage, changing to a beautiful red in autumn; good hedge plant. 2 to 3 feet, each, 60c to 75c

Syringa Japonica

Syringa Japonica—Japan tree lilac, growing to a height of 80 feet; blooms late in June, bearing large panicles of showy white flowers carried well above the foliage; leaves large and leathery, rich dark color. Each 75c

Quince (Japan Flowering)

Japonica—Remarkable for the brilliancy of its blossoms, which vary from the richest scarlet to the most delicate blush color; the fruit is deliciously fragrant, but is not edible. 2 to 3 feet, each, 60c to 75c

Alba—A very beautiful variety, with delicate, white and blush flowers. 3 to 4 feet, 75c to \$1.00

Persimmon

Japanese—Highly prized for its delicious fruit. We import the Japanese variety called Hyakume. Fruit large and oblong; color bright red; ripens early in the fall. 4 feet, each, 60c to 75c

Magnolia

Magnolia Salicifolia—New species called fragrant Magnolia; pure white flowers. It emits a sweet aromatic scent, not only from the flowers, but stem and leaves; very hardy; should be in every collection. Each \$1.50 to \$2.00

Conspicua—A Chinese species of great beauty. The tree is of medium size, shrub like in growth while young, but attains the size of a tree in time. The flowers are large, pure white, very numerous and appear before the leaves. 2 feet, each, \$1.00; 3 feet, each, \$1.50 to \$2.00

Magnolia Obovata—Exterior petals purple, veined with deeper color, white center. Each, \$1.00 to \$1.50.

Grandiflora. See page 59

Cryptomeria

One of the finest evergreens of Japan; of both upright and drooping habit. We import a number of different varieties all of which are suitable for lawn planting. Foliage mostly needle like; end of branches soft and flexible. 1 to 2 feet, each, \$1.00 to \$2.50

Prunus

We import these direct from Japan. They are hardy, rapid growers, and produce early in the spring a profusion of handsome flowers of great beauty and fragrance.

Prunus Mume—The Flowering Plum. Double White or Double Red, 3 feet up, each, 75c to \$1
Prunus Cerasus—Handsome Flowering Japanese Cherry. White, pink or red, 3 feet up, each 75c to \$1.00

Prunus Pissardi—Flowering Plum. Wood and leaves dark purple. 3 feet up, each, 75c to \$1.00

Aspidistra

Ornamental foliage, plant throwing up shoots which unfold, developing into long, graceful leaves; color a beautiful dark glossy green; give same treatment as hardy palm.

Specimen plants, \$2.00 to \$3.00 each.
Variegated—Rich creamy markings. Specimen plants, \$3.00 each.

Camellia

Japonica—Very beautiful, winter flowering evergreen; the handsomest, shining, dark green foliage and magnificent, wax like flowers of various colors, render them indispensable for the conservatory, and well adapted for parlor or window culture; perfectly hardy in this climate in the open ground, but should be planted in a shady place and protected the first year. We have these in three colors. Double White, Pink and Red. 1½ to 2 feet, each, \$1.00 to \$1.50

Daphne

Odora—A very pretty early flowering shrub, producing pink flowers in March. 2 feet, each, \$1.00
Alba—Pure white. 2 feet, each, \$1.00

Sciadopitys Verticillata

"Umbrella Pine"—The leaves are narrow, round and arranged in whorls of umbrella like tufts; is especially adapted for porch or lawn decoration. 2 feet, each, \$1.50

Maple (Japanese)

ATRO-PURPUREUM—Large palmate leaves; deep rich maroon color.

ATRO-PURPUREUM VAR.—Bright crimson; deep maroon markings.

ATRO-DISSECTUM—Deeply fringed thread-like leaflets; drooping habit.

OSAKA-ZUKI—Large leaved, palmate, bright maroon changing in Autumn to blood red.

NISHIKIGASANE—Long thread-like green leaflets deeply serrated.

WASHINO-O—Long thread-like leaflets deeply serrated. Prices, select well rooted stock, Each, 75c to \$1.50

GRAFTED MEGANE MAPLE—Interesting little dwarf maples grown in the form of a figure 8; grafted with 4 or 5 varieties. Price, 75c to \$1.50

Hydrangea

Hortensis Blue—Very fine Japanese variety for potting and porch decoration; large flowers, rosy blue to light blue, according to the soil.

Strong clumps, each 75c
H. Hortensis, pink, fine truss, pure pink, each 75c

PORTLAND SEED COMPANY'S Climbing Vines



CLEMATIS

Clematis is one of the most beautiful and useful climbers, the several varieties adapting themselves to every requirement. Their magnificent flowers, borne in greatest profusion in beautiful shades of lavenders, purples, reds and white, make them especially attractive. Clematis requires a rich loamy soil, but manure should not touch the roots. Cut out the weak and surplus branches in the spring, and tie the vine up well to its support. We offer the best of the hardy large flowering varieties.

RAMONA—Beautiful lavender, best of its color.

MONTANA—White, anemone-like flowers, May to July; very hardy, rapid grower.

HENRYI—Fine, large, creamy white flowers; a strong grower and very hardy.

JACKMANII—Intense violet-purple, with a rich velvety appearance; distinctly veined. The most popular and finest Clematis we have.

MAD. ED. ANDRE—A beautiful, new variety; flowers red, large and abundant.

Choice plants of above sorts, each 60c
Large plants, each, 75c to \$1.00, postpaid

CLEMATIS PANICULATA—A strong, rapid and vigorous grower; it produces sheets of medium-sized, pure white flowers of the most pleasing fragrance; it is perfectly hardy and well adapted for covering trellises or fences.

Choice plants, each, 35c to 40c; large, 50c to 60c.

Honeysuckle

BELGIAN—Flowers yellow, blotched with red above; blooms all summer, fragrant. **Each, 50c.**

JAPANESE—Evergreen; fragrant flowers, white changing to yellow. **Each, 35c.**

HALL'S—Evergreen, very popular; white turning to yellow. **Each, 50c.**

English Ivy

Large, thick, shining, leathery leaves. **Each, 25c.**

Jasmine

JASMINE NUDIFLORUM—Branches drooping, enveloped with bright yellow flowers before leaves appear. **Each, 50c.**

GARDENIA FLOWERED, CAPE JASMINE—Free blooming, pure white flowers, star shaped; foliage delicate; evergreen. **Each, 50c.**

Wistaria

W. SINENSIS—Chinese Wistaria—One of the most elegant and rapid growing of all climbing plants; grows 15 to 20 feet in a season; has long pendulous clusters of pale blue flowers in May and June and in autumn.

Choice plants, each, 35c to 50c; large, 75c to \$1.50.

W. MULTIJUGA—Similar to above, but flowers are darker. **Each, 75c to \$1.50**

W. BRACHYBOTRYS—White flowering. **Each, 75c to \$1.50**

Ampelopsis

VEITCHII "Boston Ivy"—Leaves glossy green, coloring bronze in fall; flowers small; berries deep blue. **35c.**

QUINQUEFOLIA "Virginia Creeper"—Common American Ivy. **35c.**

Trumpet Vine

BIGNONIA GRANDIFLORA (Trumpet Vine)—Strong climber; deciduous; flowers orange-scarlet. **50c.**

BIGNONIA TWEDIANA—Evergreen, clinging; flowers canary yellow. **50c.**

PORTLAND SEED COMPANY'S

"Diamond" Fancy Lawn Mixture

TO have a good lawn the soil must be fine and rich, and well leveled. Then the best seed obtainable should be used. Plant any time from September until late spring, depending upon the weather and soil conditions. Raking in the seed is advisable, and rolling greatly improves the turf. In watering your lawn soak it deeply and not too often, as light watering every day brings the roots close to the surface, where they quickly burn or dry out. You must not expect to make a fine lawn with cheap seed. The best lawn grass mixture will cost more at first than the poorer substitute, but it will be found much cheaper and more satisfactory in the end. Our "Diamond Quality" Fancy Mixed Grass Seed is prepared from the choicest re-cleaned Grass Seeds that have been carefully selected for their fineness and deep rooting, close growing habits and seasonable qualities, producing an ideal dense, velvety turf of lasting quality that remains green throughout the year.

Price, per lb., 45c; postpaid, freight or express, per lb., 35c; 10 lbs., \$3.25.

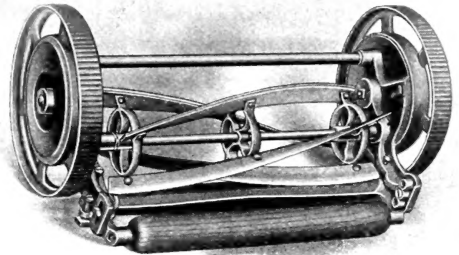
Sow one pound to 400 square feet, 12 to 15 pounds to a 50-foot lot.

WRITE US FOR SPECIAL MIXTURES FOR TERRACES, SHADY PLACES, DRY OR WET LAND.

Highest Grade**Cycle Lawn Mowers.****Fully Guaranteed**

Stationary, draw-cut blade, self sharpening, protected from rocks, nails, etc., keeps the mower close to the turf on uneven ground — cuts all the grass right the first time over.

CYCLEMOWERS — Have self-adjusting ball bearings, bed knife rests on frame instead of being supported by screws — as in other models — making it impossible to bend or warp out of alignment, the revolving wiper blades draw the grass over the keen cutting edge of the bed knife. This is the big distinctive feature of the Cycle-mower and is entirely different from other lawn mowers. The bed knife is protected, has lipped cutting edge, does not wear unevenly and is self sharpening and adjusting. We tried them out for a season on our own grounds before offering to our customers and found them superior in every respect. **If you would be free from lawn mower troubles, buy the light running self sharpening Cyclemower.**



"Cyclemowers" are made of Crucible Steel

PRICES AND SIZES.

| | | | |
|---|---------|---|-------|
| 14 in. cut, 8 in. wheel, 4 blades..... | \$ 5.65 | 16 in. cut, 10 in. wheel, 4 blades..... | 7.85 |
| 16 in. cut, 8 in. wheel, 4 blades..... | 5.95 | 18 in. cut, 10 in. wheel, 4 blades..... | 8.35 |
| 14 in. cut, 9 in. wheel, 4 blades..... | 6.50 | 14 in. cut, 11 in. wheel, 5 blades..... | 9.75 |
| 16 in. cut, 9 in. wheel, 4 blades..... | 6.90 | 16 in. cut, 11 in. wheel, 5 blades..... | 10.95 |
| 14 in. cut, 10 in. wheel, 4 blades..... | 7.50 | 18 in. cut, 11 in. wheel, 5 blades..... | 12.00 |

Spray Calendar—When to Spray, What to use

| Insect or Disease. | Plant Attacked. | What to Spray With. | First Spraying. |
|----------------------------|-----------------------|--|--|
| Codling Moth | Apple, Pear | Arsenate of Lead | Just before calyx cups close. |
| San Jose Scale ..... | ..... | Scalecide, Standard Sulphur-Lime Solution ..... | ..... |
| Oyster Shell Bark Louse .. | Apple, mainly | Standard Sulphur-Lime Solution | When leaves are off the tree. |
| Peach Moth or Twig Borer. | Peach | Scalecide, 1 part to 20 parts water | When leaves are off the tree. |
| Woolly Aphis | Apple | Scalecide, 1 part to 40 parts water | When the insects appear. |
| Aphis | Roses and plants | Aphiscide, Fir Tree Oil Soap | When the insects appear. |
| Cabbage Worm | Cabbage | Bug Death (non-poisonous) .. | Just as soon as the insects appear. |
| Cabbage Aphis | Cabbage | Scalecide, 1 part to 40 parts water | Before the worms eat into the cabbage. |
| Slug | Pear, Cherry, Peas .. | Slug Shot, or Bug Death .. | When the insects appear. |
| Thrips | Roses | Thrip Juice, or Aphiscide .. | When the insects appear. |
| Cottony Scale | Pear, Currant | Scalecide, 1 part to 40 parts water | When insects become cottony (May). |
| Scab | Apple, Pear | Bordeaux | Just before blossoms open. |
| Blackspot Canker | Apple | Bordeaux, double strength .. | Immediately after leaves fall. |
| Leaf Curl | Peach | Standard Sulphur-Lime Solution ..... | ..... |
| Mildew | Gooseberry | Potassium Sulphide, 1 ounce to 2 gallons water | Before buds burst. |
| | | | Just as buds burst. |

"CORONA" Dry Powdered ARSENATE of LEAD

Contains only ARSENIC and LEAD OXIDES. NO FILLERS

Mixes Quickly and Easily. Stays Mixed Longer and Sticks better to branches, leaves and fruit than Any Other Arsenate.

NO SEDIMENT — NO LUMPS — NO WASTE — NEVER CLOGS NOZZLES

"CORONA" Dry Powdered Arsenate is a Light, Fluffy Powder that cannot freeze, dry out, cake or lose its strength — is always uniform and requires only 1½ pounds to 50 gallons of water. Efficient, Economical and Convenient. **Highest Percentage of Killing Power.**

Ask for FULL Information, Testimonials and Sworn Tests

PRICES: 1 lb. 40c; 5 lbs. \$1.75; 25 lbs. \$7.00; 50 lbs. \$13.50; 100 lbs. \$26.00; 200 lbs. \$50.00

SPRAYING to be effective MUST BE WELL DONE —

"How to Spray — When to Spray — What Sprayer to Use" is a valuable and interesting book that tells all about sprays and sprayers. **We will mail this book to you free on request.**

INDEX

| | | | | | | |
|--|-------------|-----------------------------------|----------------|--------------------------------------|----------------------------|-------|
| A | | Freelias | 16 | Peaches | 46-56 | |
| Allium | 16 | Fritillaria Imperialis | 16 | Prunes and Plums | 47 | |
| Anemones | 15 | Ferns and Fern Balls | 32 | Pears | 45-48 | |
| Araucaria | 59-61 | Filbert | 58 | Perennials | 30 | |
| Aspidistra | 61 | Fir | 59 | Pansies | 29 | |
| Aucuba | 61 | Forsythia | 57 | Phlox—Perennial | 29 | |
| Arborvitae | 59 | Fruit Trees | 42-48 | Pampas Grass | 60 | |
| Ampelopsis | 62 | Fringe Tree | 56 | Parrots Feather | 30 | |
| Almond | 57-58 | G | | | Palms | 33 |
| Althea | 57 | Grape Hyacinths | 16 | Persimmon | 61 | |
| Apricots | 46 | Gladioli | 28-29 | Prunus | 57-61 | |
| Apples | 42-43-44-45 | Grass Seed | 62 | Pine | 60 | |
| Asparagus | 54 | Geraniums | 31 | Privet | 60 | |
| Azalea | 57 | Grapes | 49 | Poplar | 57 | |
| Ash | 56 | Gooseberries | 51 | Pruning Tools | 41 | |
| B | | H | | | Plant Stakes | 41 |
| Bulbs | 2 to 27 | Hyacinths | 2-3-4 | Q | | |
| Begonias, Tuberous | 21 | Hydrangea | 57-61 | Quince, Flowering | 61 | |
| Bedding Plants | 30 | Holly | 59 | Quince | 48 | |
| Bleeding Hearts | 60 | Hawthorne | 56 | R | | |
| Bamboo | 61 | Himalaya Giant Berry | 52 | Ranunculus | 17 | |
| Berberberry | 57-61 | Honeysuckle | 57-62 | Roses | 34 to 40 | |
| Beech | 56 | Hop Vines | 54 | Rose Tubes | 40 | |
| Birch | 56 | Horseradish | 54 | Rubber Plant | 60 | |
| Butternut | 58 | Hyacinth Glasses | | Rhododendron | 60 | |
| Berries | 50-53 | Inside Front Cover | | | Rhubarb | 54 |
| Books | 55 | Hemlock | 59 | Raffia | 41 | |
| Box | 59 | I | | | Raspberries | 51 |
| Broom | 60 | Ixias | 16 | S | | |
| Blackberries | 50 | Iris | 20 | Scilla | 17 | |
| C | | Ivy | 62 | Snowdrops | 16 | |
| Calla Lilies | 19 | J | | | Shrubs—Deciduous | 57-58 |
| Calycanthus | 57 | Jonquils | 11 | Shrubs—Evergreen | 58 | |
| Chinese Sacred Lily | 14 | Japanese Ornamentals | 61 | Sparaxis | 17 | |
| Crocus | 15 | Jasminum | 62 | Spruce | 60 | |
| Chionodoxa | 16 | Juniper | 59 | Strawberries | 52-53 | |
| Caladiums | 60 | K | | | Spray Calendar | 55 |
| Cannas | 21 | Knoxweed | 41 | Sprayer—"Ideal" | 41 | |
| Camellia | 61 | L | | | Snowball | 57 |
| Cryptomeria | 61 | Lawn Mowers | 63 | Sciadopitys Verticillati | 61 | |
| Cedrus | 59 | Leucocum (Snowflake) | 16 | Spiraea | 58 | |
| Cyprus | 59 | Lilies | 18-19 | St. Johns-Wort | 60 | |
| Climbing and Trailing Plants | 62 | Lily of Valley | 19 | Sycamore | 56-57 | |
| Clematis | 62 | Lilac | 58 | Smoke Tree | 57 | |
| Catalpa | 56 | Laurel | 60 | Syringia | 57-61 | |
| Chestnut | 56-58 | Lauristinus | 60 | Spray Pumps | 41 | |
| Cr b, Flowering | 56 | Laburnum (Golden Chain) | 56 | T | | |
| Currant, Flowering | 49 | Linden | 56 | Tulips | 5-7-8-9 | |
| Currents | 49 | Locust | 50 | Tulips Special Collections | 9 | |
| Cherries | 45 | Labels | 41 | Tulip Beds | Inside Front Cover | |
| D | | Larch | 56 | Triteleia Uniflora | 17 | |
| Daffodils | 11-12-13 | Loganberries | 50 | Trumpet Vine | 62 | |
| Dahlias | 22-26 | M | | | Tulip Tree | 57 |
| Daphne | 61 | Maple | 56-61 | Tamarix | 58 | |
| Deutzia | 57 | Magnolia | 56-59-61 | Tree Paeony | 27 | |
| Draecenas | 33 | Mahonia Aquifolia | | Trees—Deciduous | 57 | |
| Dogwood | 56 | (Oregon Grape) | 60 | Tritoma ("Red Hot Poker") | 60 | |
| Dwarf Fruit Trees | 45 | Mulberry | 57 | Thuja Obtusa | 61 | |
| Dewberries | 51 | Mountain Ash | 57 | Tree Tanglefoot | 48 | |
| E | | Mock Orange | 57 | V | | |
| Erythronium | 17 | Moss | 61 | Vegetable Roots and Plants | 54 | |
| Euonymus | 57-60 | N | | | W | |
| Eranthus, Hyemalis | 17 | Narcissi | 10-11-12-13-14 | Water Lilies | 30 | |
| Eremurus (Himalajcus) | 27 | Nut Trees | 58 | Wistaria | 62 | |
| Elm | 56 | Nectarines | 47 | Walnuts | 58 | |
| Evergreen Trees | 59-60 | O | | | Weigelia | 58 |
| Evergreen Shrubs | 60 | Oxalis | 17 | Weeping Trees | 57 | |
| Elder | 57 | Ornithogalum | 17 | Y | | |
| F | | Oak | 56 | Yucca | 60 | |
| Feathered Hyacinths | 16 | P | | | Yew | 60 |
| Flower Pots | 40 | Paeonies | 27 | | | |

FOR WINTER SPRAYING

SCALECIDE

A barrel of "Scalecide" will spray more trees than 3 1/3 bbls of Lime and Sulphur, at less expense, with less work, and better results. "SCALECIDE" will not injure your pump or outfit will not harm your skin or eyes.

6 Years of Systematic Spraying with "Scalecide" has resulted in record yields in some of the largest apple and peach orchards of the United States. Interesting literature and sample of Scalecide" will be sent Free on Request.

SPREADS AND PENETRATES — KILLS ALL SCALE AND FUNGUS.

"DIAMOND
QUALITY"

Fertilizers



We are the largest dealers and carry the most complete stock of Fertilizers in the Northwest. They are of guaranteed analysis, conforming to the standards required by the State Laws.

Ask for our Special Fertilizer Catalog, containing valuable information on the use and application of Fertilizer.

| FERTILIZER | Nitrogen | | Available Phosphoric Acid | | Potash | Per 100 lbs. | Per 224 lb. Bag | Per Ton |
|--------------------|----------|-------------|---------------------------|------------|-------------|--------------|-----------------|---------|
| No. 1, Complete | 2 | to 3 % | 7 | to 8 % | 6% | \$1 90 | ..... | \$36 00 |
| No. 4, Fruit | 2 1/4 | to 3 % | 8 | to 8 1/2 % | 10% | 2.00 | ..... | 38.00 |
| No. 5, Lawn | 3 1/2 | to 4 % | 7 | to 8 % | 4% | 2.25 | ..... | ..... |
| Pure Bone Meal | ..... | 3 1/2 % | ..... | 20 % | ..... | 1.75 | ..... | 33.00 |
| Bone Tankage | 5 | to 5 1/2 % | 11 | to 12 % | ..... | 1.75 | ..... | 32.00 |
| Super Phosphate | ..... | ..... | 17 | to 18 % | ..... | 1.40 | ..... | 26.00 |
| Muriate of Potash | ..... | ..... | ..... | 49 | to 50 % | 3.15 | \$6 40 | 53.00 |
| Sulphate of Potash | ..... | ..... | ..... | 50 | to 50 1/4 % | 3 50 | 7 35 | 61.00 |
| Kanit | ..... | ..... | ..... | 12 | to 14 % | ..... | 2.50 | 22.00 |
| Nitrate of Soda | 15 | to 15 1/2 % | ..... | ..... | ..... | 3.25 | ..... | 60.00 |
| Blood Meal | 10 | to 10 1/2 % | 3 | to 4 % | ..... | 3.25 | ..... | 65.00 |

We are general agents for the German Kali Works, and can supply their Potash in any quantity. Write for prices on car lots.

BEST FERTILIZERS FOR SPECIAL PURPOSES.

| | POUNDS PER ACRE | FERTILIZER TO USE | WHEN TO APPLY. |
|-----------------------------|--|-----------------------------|---|
| Apples | 400 to 600 | No. 4 | Fall or early spring. |
| Asparagus | 300 to 600 | No. 1 with Nitrate of Soda. | Spring. |
| Berry bushes | 100 to 200 | No. 4 | Fall or Winter preferred, or early spring. |
| Fruit trees and bushes. | 400 to 800 | No. 4 | Fall or Winter preferred, or early spring. |
| Flower beds | 400 to 800 | No. 4 | Fall or early spring. |
| Grapes | See Plants, etc. | No. 5 | Apply fall or spring, broadcast. |
| Grass for lawns | 400 to 800 | "Diamond" Plant Food | Directions on each package. |
| House plants | ..... | No. 1 | Early spring. |
| Nursery stock | 325 to 650 | No. 5 | Worked in the top soil when cultivating or making beds. |
| Plants, flowering, out-door | A teaspoonful to a plant or broadcast. | No. 5 | Fall, winter or spring. |
| Roses, etc. | 1/2 to 1 lb. per plant | No. 5 | ..... |
| Shrubs, trees, etc. | 1/2 to 3 lbs. per plant | No. 5 | ..... |

PLANTING TABLES

DISTANCES RECOMMENDED FOR PLANTING.

| | | | |
|-------------------|----------------------------|----------------------------|---------------------------|
| Apples (Standard) |25 to 40 ft. each way | Currants |5 ft. x 3 ft. |
| Pears (Standard) |20 to 35 ft. each way | Gooseberries |5 ft. x 3 ft. |
| Quince |15 ft. each way | Strawberries (hills) |36 in. x 18 in. |
| Peaches |18 to 24 ft. each way | Strawberries (matted rows) |48 in. x 12 in. |
| Plums |15 to 20 ft. each way | Grapes |8 x 8 to 10 x 12 ft. |
| Cherries |25 to 40 ft. each way | Asparagus |4 x 1 ft. |
| Blackberries |6 ft. x 4 ft. | Rhubarb |4 x 2 ft. |
| Raspberries |6 ft. x 3 ft. | | |

NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES.

In planting trees the greater distance should be given in the richer soils.

| DISTANCE APART. | Square Method. | Triangu- lar. | DISTANCE APART. | Square Method. | Triangu- lar. |
|------------------------|----------------|---------------|------------------------|----------------|---------------|
| 1 foot apart each way | 43,560 | 50,800 | 15 feet apart each way | 193 | 223 |
| 2 feet apart each way | 10,890 | 12,575 | 16 feet apart each way | 170 | 196 |
| 4 feet apart each way | 2,722 | 3,143 | 20 feet apart each way | 108 | 125 |
| 6 feet apart each way | 1,210 | 1,397 | 25 feet apart each way | 70 | 81 |
| 9 feet apart each way | 537 | 620 | 30 feet apart each way | 48 | 55 |
| 10 feet apart each way | 435 | 502 | 40 feet apart each way | 27 | 31 |

RULE SQUARE METHOD—Multiply the distance in feet between the rows by the distance the plants are apart in the rows; this gives the number of square feet for each plant or hill; divided into the number of feet in an acre (43,560) gives the number of plants or trees to an acre.

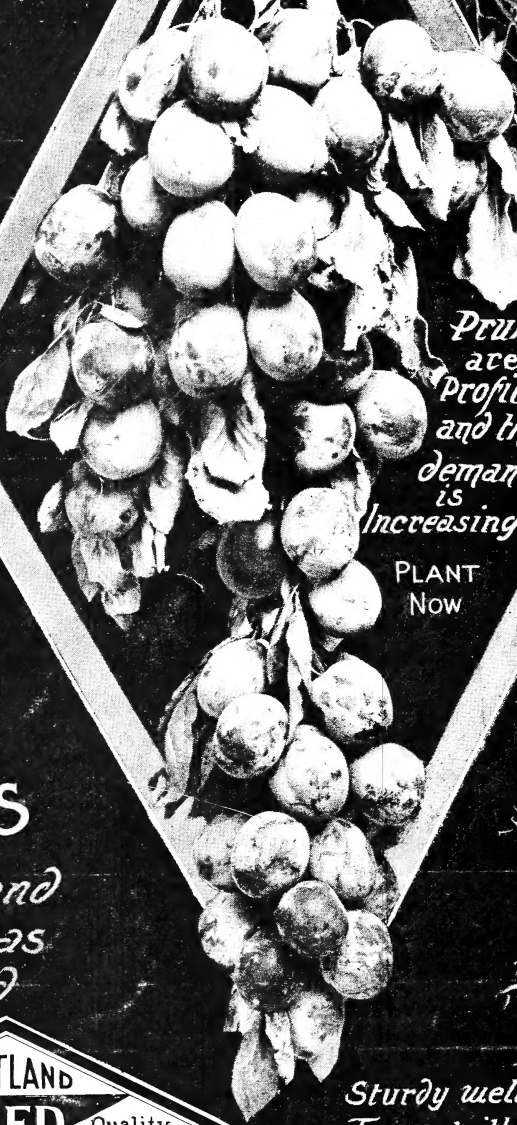
RULE TRIANGULAR METHOD—Divide the number required to the acre "square method" by the decimal .866. The result will be number of plants required to the acre by triangular planting.

LEWIS PLANTING BOARD

When your stakes are placed, where the trees are to be set, take an inch board 6 inches wide and 6 feet 6 inches long, bore a 3/4 inch hole in the center of each end and cut a notch in the side at center that your trees will fit into. Now take two small stakes 12 inches long that will slip easily through the end holes, place the center notch around the stake where the tree is to stand, place a small stake through each of the holes in the ends, now lift your board leaving the small stakes in the ground, dig the hole, replace the board over the stakes and set the tree in the notch, plant it in this position and your orchard will "line up" perfectly.

"Diamond Quality"
**Nursery
Stocks**

*Grown in
Oregon*



*Prunes
are
Profitable
and the
demand
is
Increasing*

PLANT
Now

**Trees
and
Plants**

*are Dug and
Packed as
Ordered*



*Sturdy well grown
TREES with heavy
fibrous Roots*

